



# CGGBP1 Polyclonal Antibody

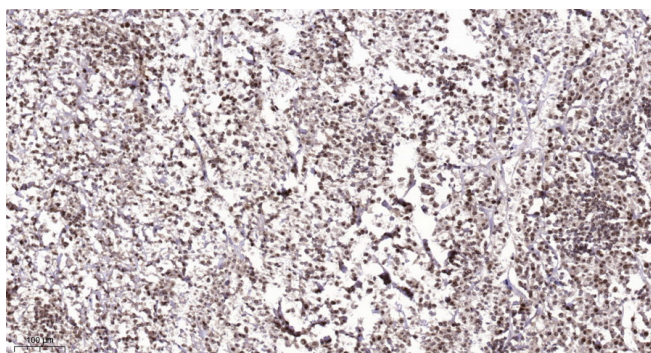
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Catalog No         | BYab-01607                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity         | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applications       | IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name          | CGGBP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Protein Name       | CGG triplet repeat-binding protein 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Immunogen          | The antiserum was produced against synthesized peptide derived from human CGGBP1. AA range:41-90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity        | CGGBP1 Polyclonal Antibody detects endogenous levels of CGGBP1 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Dilution           | IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Synonyms           | CGGBP1; CGGBP; CGG triplet repeat-binding protein 1; CGG-binding protein 1; 20 kDa CGG-binding protein; p20-CGGBP DNA-binding protein                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Observed Band      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cell Pathway       | Nucleus .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tissue Specificity | Ubiquitous. Highly expressed in placenta, thymus, lymph nodes, cerebellum and cerebral cortex. Low expression in other regions of the brain.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Function           | developmental stage:Expressed in fetal brain and kidney. Lower expression in fetal liver and lung.,function:Binds to nonmethylated 5'-d(CGG)(n)-3' trinucleotide repeats in the FMR1 promoter. May play a role in regulating FMR1 promoter.,miscellaneous:Binding is severely inhibited by complete or partial cytosine-specific DNA methylation of the binding motif.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,tissue specificity:Ubiquitous. Highly expressed in placenta, thymus, lymph nodes, cerebellum and cerebral cortex. Low expression in other regions of the brain., |

Nanjing BYabscience technology Co.,Ltd



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| <b>Background</b>                | CGGBP1 influences expression of the FMR1 gene (MIM 309550), which is associated with the fragile X mental retardation syndrome (MIM 300624), by specifically interacting with the 5-prime (CGG) <sub>n</sub> -3-prime repeat in its 5-prime UTR.[supplied by OMIM, Mar 2008], |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                          |
| <b>Usage suggestions</b>         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.                                                                                                                                             |

## Products Images



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).