



# NBR1 mouse Monoclonal Antibody(7C3)

|                    |                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-04870                                                                                                                                                                                                                                                                                                                                              |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity         | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                         |
| Applications       | IF;IHC                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name          | NBR1 1A13B KIAA0049 M17S2 MIG19                                                                                                                                                                                                                                                                                                                         |
| Protein Name       | Next to BRCA1 gene 1 protein (Cell migration-inducing gene 19 protein) (Membrane component chromosome 17 surface marker 2) (Neighbor of BRCA1 gene 1 protein) (Protein 1A1-3B)                                                                                                                                                                          |
| Immunogen          | Recombinant Protein of NBR1                                                                                                                                                                                                                                                                                                                             |
| Specificity        | The antibody detects endogenous NBR1 protein                                                                                                                                                                                                                                                                                                            |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                 |
| Source             | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                       |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                    |
| Dilution           | IF: 1:50-200 IHC-p 1:50-300                                                                                                                                                                                                                                                                                                                             |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                 |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                    |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                            |
| Synonyms           | Next to BRCA1 gene 1 protein (Cell migration-inducing gene 19 protein) (Membrane component chromosome 17 surface marker 2) (Neighbor of BRCA1 gene 1 protein) (Protein 1A1-3B)                                                                                                                                                                          |
| Observed Band      | 120kD                                                                                                                                                                                                                                                                                                                                                   |
| Cell Pathway       | Cytoplasm . Cytoplasmic vesicle, autophagosome . Lysosome . Cytoplasm, myofibril, sarcomere, M line . In cardiac muscles localizes to the sarcomeric M line (By similarity). Is targeted to lysosomes for degradation (PubMed:19250911). .                                                                                                              |
| Tissue Specificity | Bone marrow,Lymph,Ovary,Testis,                                                                                                                                                                                                                                                                                                                         |
| Function           | caution:Was originally (PubMed:8069304) thought to be the ovarian carcinoma antigen CA125.,domain:The OPR domain mediates interaction with SQSTM1.,similarity:Contains 1 OPR domain.,similarity:Contains 1 UBA domain.,similarity:Contains 1 ZZ-type zinc finger.,subunit:Homooligomer and heterooligomer. Interacts with SQSTM1, titin/TTN and RNF29., |

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## Background

The protein encoded by this gene was originally identified as an ovarian tumor antigen monitored in ovarian cancer. The encoded protein contains a B-box/coiled-coil motif, which is present in many genes with transformation potential. It functions as a specific autophagy receptor for the selective autophagic degradation of peroxisomes by forming intracellular inclusions with ubiquitylated autophagic substrates. This gene is located on a region of chromosome 17q21.1 that is in close proximity to the BRCA1 tumor suppressor gene. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2014],

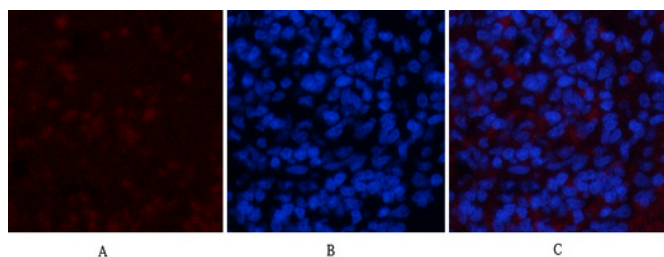
## matters needing attention

Avoid repeated freezing and thawing!

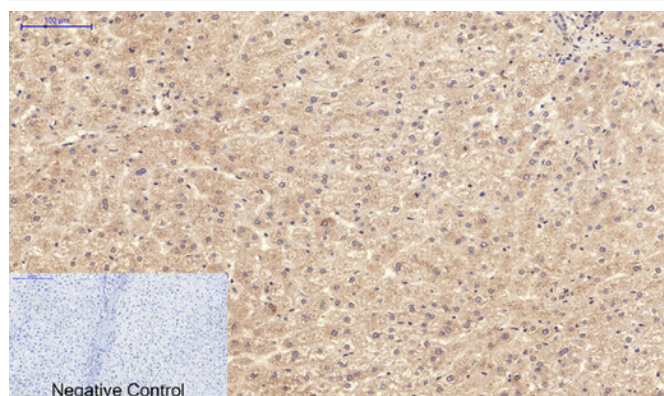
## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

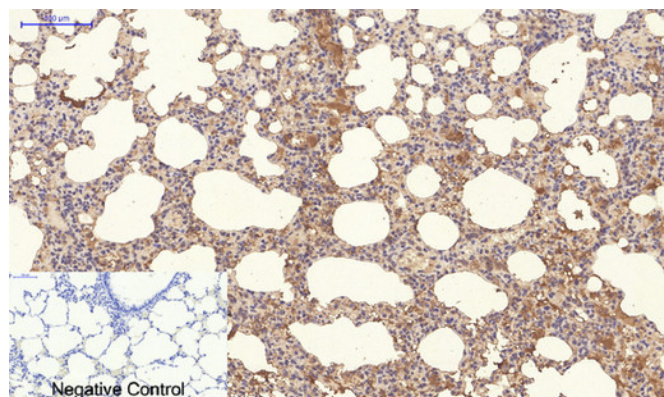
## Products Images



Immunofluorescence analysis of rat-spleen tissue. 1, NBR1 Mouse Monoclonal Antibody(7C3)(red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

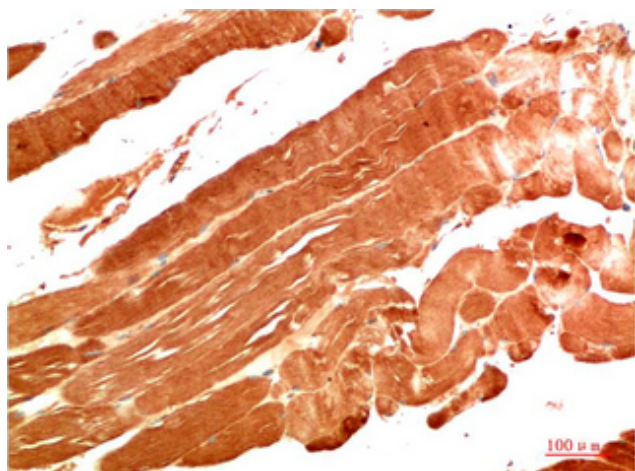


Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1, NBR1 Mouse Monoclonal Antibody(7C3) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1, NBR1 Mouse Monoclonal Antibody(7C3) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

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Immunohistochemical analysis of paraffin-embedded Human Skeletal Muscle Tissue using NBR1 Mouse mAb diluted at 1:200.