



# Neuropsin Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-13431                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity</b>         | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>       | WB;ELISA;IHC                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>          | OPN5                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Name</b>       | Opsin-5                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human OPN5. AA range:251-300                                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Neuropsin Polyclonal Antibody detects endogenous levels of Neuropsin protein.                                                                                                                                                                                                                                                                                                          |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                  |
| <b>Dilution</b>           | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000                                                                                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>           | OPN5; GPR136; PGR12; TMEM13; Opsin-5; G-protein coupled receptor 136; G-protein coupled receptor PGR12; Neuropsin; Transmembrane protein 13                                                                                                                                                                                                                                            |
| <b>Observed Band</b>      | 43kD                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cell Pathway</b>       | Cell membrane ; Multi-pass membrane protein .                                                                                                                                                                                                                                                                                                                                          |
| <b>Tissue Specificity</b> | Detected in brain and retina and cell lines derived from neural retina.                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>           | caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,PTM:It is uncertain whether Cys-315 or Cys-316 is palmitoylated.,similarity:Belongs to the G-protein coupled receptor 1 family. Opsin subfamily.,tissue specificity:Detected in brain and retina and cell lines derived from neural retina.,      |
| <b>Background</b>         | Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. This opsin gene is expressed in the eye, brain, testes, and spinal cord. This gene belongs to the seven-exon subfamily of mammalian opsin genes that includes peropsin (RRH) and retinal G protein coupled receptor (RGR). Like these other seven-exon opsin genes, this family |

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member may encode a protein with photoisomerase activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010],

**matters needing attention**

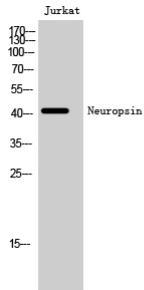
Avoid repeated freezing and thawing!

**Usage suggestions**

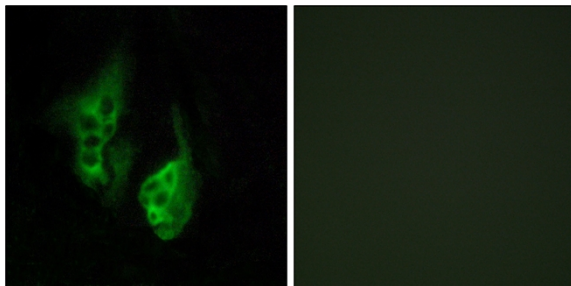
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



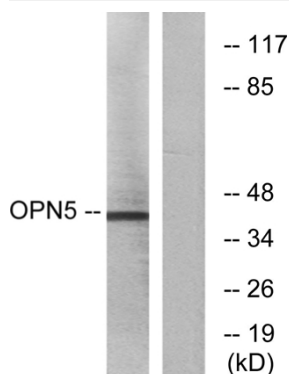
## Products Images



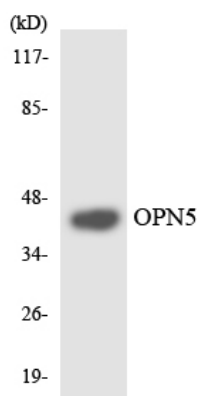
Western Blot analysis of Jurkat cells using Neuropilin Polyclonal Antibody



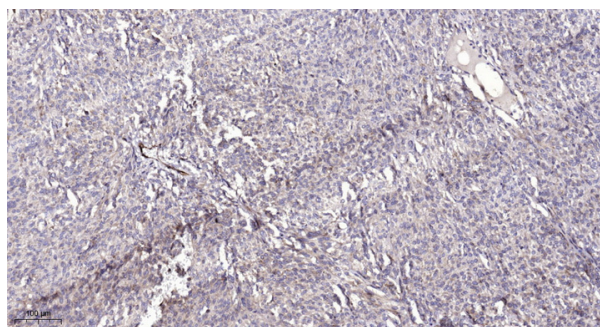
Immunofluorescence analysis of HeLa cells, using OPN5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using OPN5 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using OPN5 antibody.



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).