



# Neuroplastin Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No                | BYab-13950                                                                                                                                                                                                                                                                       |
| Isotype                   | IgG                                                                                                                                                                                                                                                                              |
| Reactivity                | Human;Mouse;Rat                                                                                                                                                                                                                                                                  |
| Applications              | IHC;IF;ELISA                                                                                                                                                                                                                                                                     |
| Gene Name                 | NPTN                                                                                                                                                                                                                                                                             |
| Protein Name              | Neuroplastin                                                                                                                                                                                                                                                                     |
| Immunogen                 | The antiserum was produced against synthesized peptide derived from human NPTN. AA range:106-155                                                                                                                                                                                 |
| Specificity               | Neuroplastin Polyclonal Antibody detects endogenous levels of Neuroplastin 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                  | NPTN; SDFR1; SDR1; Neuroplastin; Stromal cell-derived receptor 1; SDR-1                                                                                                                                                                                                          |
| Observed Band             |                                                                                                                                                                                                                                                                                  |
| Cell Pathway              | Cell membrane ; Single-pass type I membrane protein .; [Isoform 2]: Cell junction, synapse, postsynaptic density .                                                                                                                                                               |
| Tissue Specificity        | Isoform 1 is ubiquitously expressed. Isoform 2 is expressed in brain cortex and cerebellum (at protein level).                                                                                                                                                                   |
| Function                  | PTM:N-glycosylated.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,tissue specificity:Isoform 1 is ubiquitous.,                                                                          |
| Background                | This gene encodes a type I transmembrane protein belonging to the Ig superfamily. The protein is believed to be involved in cell-cell interactions or cell-substrate interactions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2009], |
| matters needing attention | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                             |

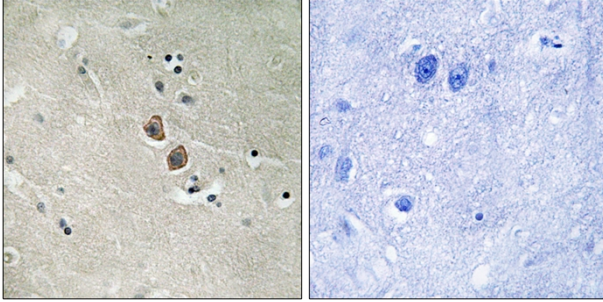
Nanjing BYabscience technology Co.,Ltd



### Usage suggestions

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

### Products Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using NPTN Antibody. The picture on the right is blocked with the synthesized peptide.