



# His-Tag Monoclonal Antibody(4E6)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-21016                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reactivity         | Species independent                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Applications       | WB;IP;IF                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Name          | His-Tag                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Name       | His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Immunogen          | Synthetic peptide:HHHHHH conjugated to KLH.                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity        | The antibody detects C-terminal, internal, and N-terminal His-tag fusion proteins.                                                                                                                                                                                                                                                                                                                                                     |
| Formulation        | PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                  |
| Source             | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purification       | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                             |
| Dilution           | WB: 1:3000 IP: 1:200 IF: 1:1000                                                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Observed Band      |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cell Pathway       |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tissue Specificity |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Function           |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Background         | A polyhistidine-tag is an amino acid motif in proteins that consists of at least five histidine (His) residues, often at the N- or C-terminus of the protein. It is also known as hexa histidine-tag, 6xHis-tag, and by the trademarked name His-tag. Polyhistidine-tags are often used for affinity purification of polyhistidine-tagged recombinant proteins expressed in Escherichia coli and other prokaryotic expression systems. |

Nanjing BYabscience technology Co.,Ltd

网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658



**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.

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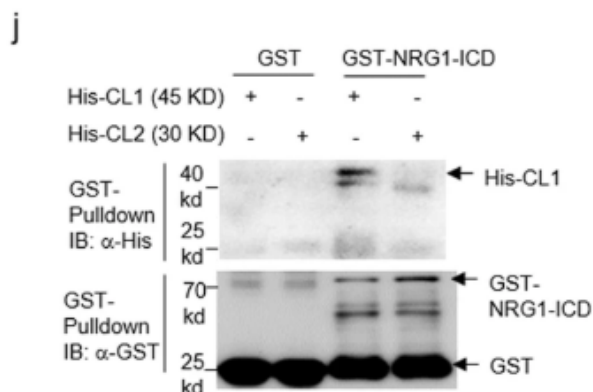
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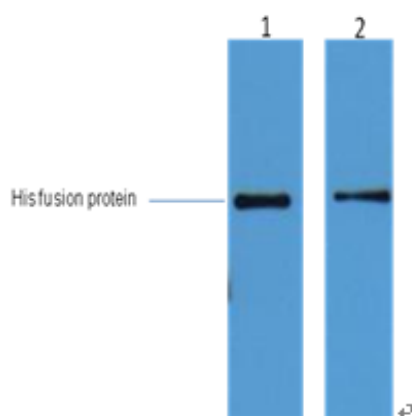
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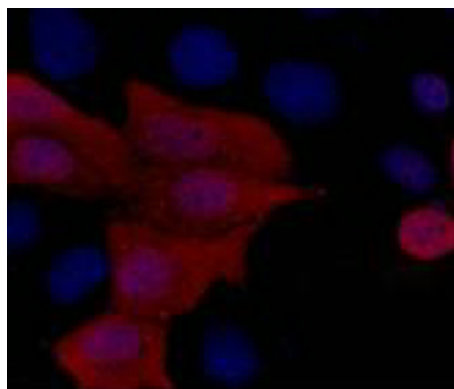
## Products Images



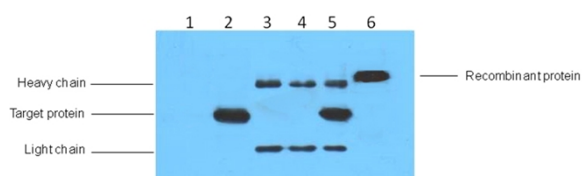
Wang, YY., Zhao, B., Wu, MM. et al. Overexpression of neuregulin 1 in GABAergic interneurons results in reversible cortical disinhibition. Nat Commun 12, 278 (2021).



2ug His fusion protein+ Primary antibody dilution at  
1) 1:5000 2) 1:10000



IF analysis of 293 cells transfected with a His-tag protein, 1:1000 dilution (blue DAPI, red anti-His)



IP antibody use: 5ug His Mouse IgG1 per ml Lysate, WB 1:3000 1、untransfected 293 cell lysate 2、transfected 293 cell lysate with His-tag fusion protein 3、IP (untransfected 293+anti-His mAb+ Protein G agarose) 4、IP (transfected 293+ normal Mouse IgG+Protein G agarose) 5、IP (transfected 293+anti-His mAb+ Protein G agarose) 6、Recombinant protein (E.coli)

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