

## Neuregulin-3 Rabbit pAb

CatalogNo: YT5648

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 80kD (Observed)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC: 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

### | Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

**Clonality** Polyclonal

### | Immunogen Information

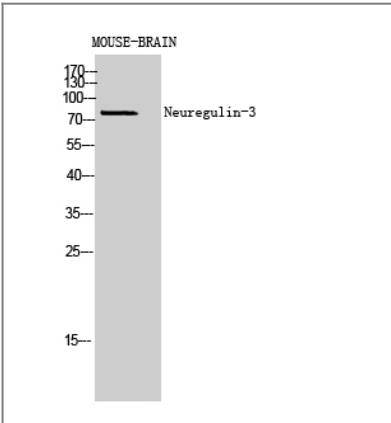
**Immunogen** The antiserum was produced against synthesized peptide derived from the Internal region of human NRG3. AA range:311-360

**Specificity** Neuregulin-3 Polyclonal Antibody detects endogenous levels of Neuregulin-3 protein.

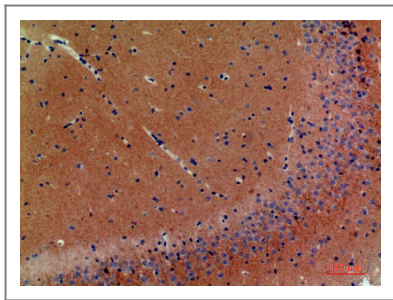
### | Target Information

|                       |  |                         |                          |
|-----------------------|--|-------------------------|--------------------------|
| Gene name             | NRG3   |                         |                          |
| Protein Name          | Pro-neuregulin-3 membrane-bound isoform  |                         |                          |
|                       | Organism   | Gene ID                 | UniProt ID               |
|                       | Human  | <a href="#">10718</a> ; | <a href="#">P56975</a> ; |
|                       | Mouse  | <a href="#">18183</a> ; | <a href="#">O35181</a> ; |
| Cellular Localization | [Pro-neuregulin-3, membrane-bound isoform]: Cell membrane ; Single-pass type I membrane protein . Does not seem to be active. .; [Neuregulin-3]: Secreted .; [Isoform 3]: Cell membrane; Single-pass type I membrane protein. Isoform 3 is also proteolytically released as a soluble form.  |                         |                          |
| Tissue specificity    | Highly expressed in most regions of the brain with the exception of corpus callosum. Expressed at lower level in testis. Not detected in heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, ovary, small intestine, colon and peripheral blood leukocytes.   |                         |                          |
| Function              | developmental stage:Isoform 3 is expressed in fetal brain but not in other fetal tissues.,Domain:ERBB receptor binding is elicited entirely by the EGF-like domain.,Domain:The cytoplasmic domain may be involved in the regulation of trafficking and proteolytic processing. Regulation of the proteolytic processing involves initial intracellular domain dimerization.,Function:Direct ligand for the ERBB4 tyrosine kinase receptor. Binding results in ligand-stimulated tyrosine phosphorylation and activation of the receptor. Does not bind to the EGF receptor, ERBB2 or ERBB3 receptors. May be a survival factor for oligodendrocytes.,PTM:Extensive glycosylation precedes the proteolytic cleavage (By similarity). Isoform 3 is glycosylated.,PTM:Proteolytic cleavage close to the plasma membrane on the external face leads to the release of the soluble growth factor form.,similarity:Belongs to the neuregulin family.,similarity:Contains 1 EGF-like domain.,subcellular location:Does not seem to be active.,subcellular location:Isoform 3 is also proteolytically released as a soluble form.,tissue specificity:Highly expressed in most regions of the brain with the exception of corpus callosum. Expressed at lower level in testis. Not detected in heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, ovary, small intestine, colon and peripheral blood leukocytes., |                         |                          |

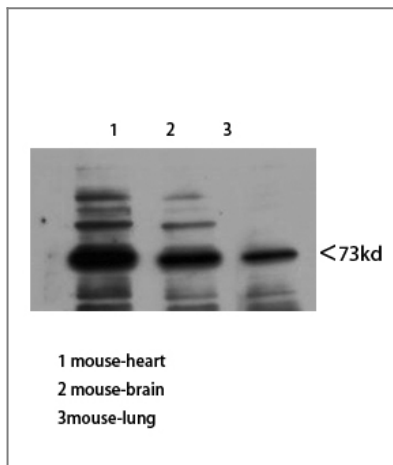
Validation Data



Western Blot analysis of MOUSE-BRAIN cells using Neuregulin-3 Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:200



Western Blot analysis of mouse-heart mouse-brain mouse-lung using Neuregulin-3 Polyclonal Antibody diluted at 1:800. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

## Contact information

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Please scan the QR code to access additional product information:  
**Neuregulin-3 Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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