

## Neuregulin-3 Polyclonal Antibody Catalog # AP73831

### Specification

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#### Neuregulin-3 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P56975</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

#### Neuregulin-3 Polyclonal Antibody - Additional Information

Gene ID 10718

#### Other Names

NRG3; Pro-neuregulin-3, membrane-bound isoform; Pro-NRG3

#### Dilution

WB~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.

#### Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

#### Storage Conditions

-20°C

#### Neuregulin-3 Polyclonal Antibody - Protein Information

Name NRG3

#### 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.

#### Cellular Location

[Pro-neuregulin-3, membrane-bound isoform]: Cell membrane; Single-pass type I membrane protein. Note=Does not seem to be active. [Isoform 3]: Cell membrane; Single-pass type I membrane protein. Note=Isoform 3 is also proteolytically released as a soluble form

#### Tissue Location

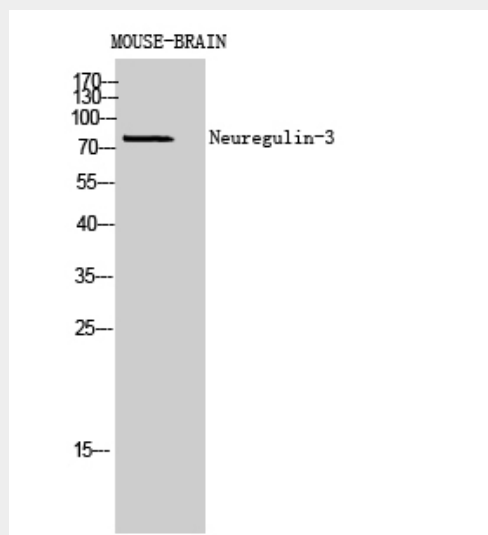
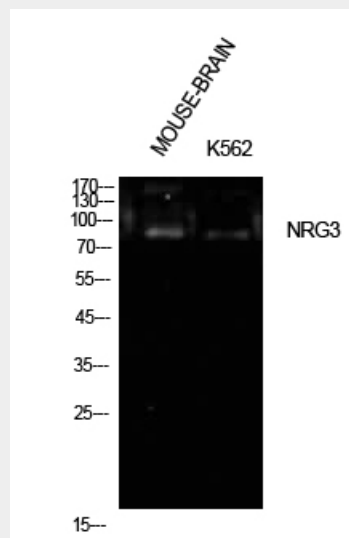
Highly expressed in most regions of the brain with the exception of corpus callosum. Expressed at lower level in testis Not detected in heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, ovary, small intestine, colon and peripheral blood leukocytes

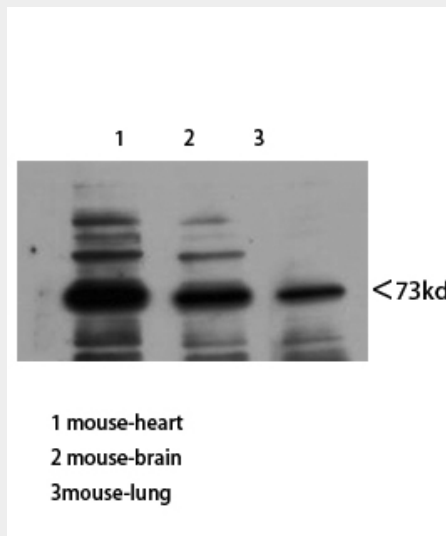
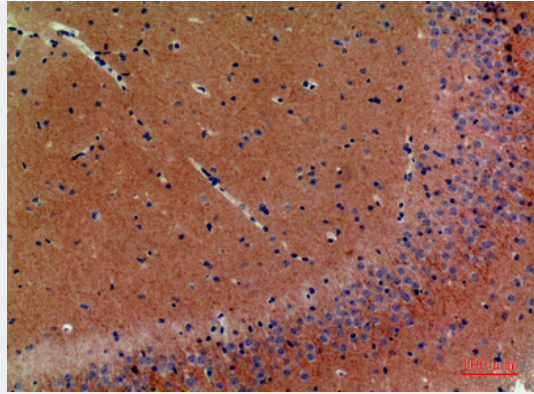
## Neuregulin-3 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Neuregulin-3 Polyclonal Antibody - Images





### Neuregulin-3 Polyclonal Antibody - Background

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.