10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Neuregulin-3 Polyclonal Antibody

Catalog # AP73831

Product Information

Application	WB, IHC-P
Primary Accession	P56975
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77901

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. IHC-P~~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℃

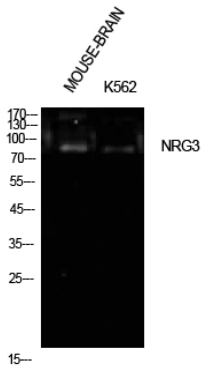
Protein Information

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

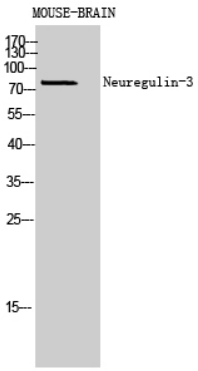
Background

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.

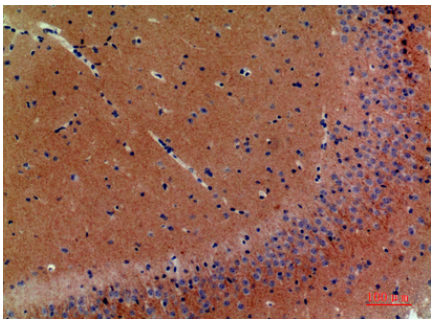
Images



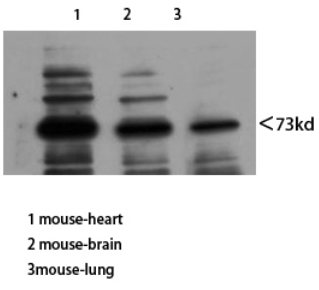
Western Blot analysis of mouse brain, K562 cells using Neuregulin-3 Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000



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