

## **NEURL1 Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51384

# **Specification**

## **NEURL1 Antibody - Product Information**

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, ICC, IHC-P, E 076050 Human Rabbit Polyclonal

62 KDa

# **NEURL1 Antibody - Additional Information**

### **Gene ID 9148**

#### **Other Names**

E3 ubiquitin-protein ligase NEURL1, 632-, Neuralized-like protein 1A, h-neu, h-neuralized 1, RING finger protein 67, NEURL1, NEURL, NEURL1A, RNF67

## **Dilution**

WB~~1:1000 ICC~~N/A IHC-P~~N/A E~~N/A

#### **Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

### **Storage**

Store at -20 °C. Stable for 12 months from date of receipt

# **NEURL1 Antibody - Protein Information**

### Name NEURL1

Synonyms NEURL, NEURL1A, RNF67

### **Function**

Plays a role in hippocampal-dependent synaptic plasticity, learning and memory. Involved in the formation of spines and functional synaptic contacts by modulating the translational activity of the cytoplasmic polyadenylation element-binding protein CPEB3. Promotes ubiquitination of CPEB3, and hence induces CPEB3-dependent mRNA translation activation of glutamate receptor GRIA1 and GRIA2. Can function as an E3 ubiquitin-protein ligase to activate monoubiquitination of JAG1 (in vitro), thereby regulating the Notch pathway. Acts as a tumor suppressor; inhibits malignant cell transformation of medulloblastoma (MB) cells by inhibiting the Notch signaling pathway.



### **Cellular Location**

Cytoplasm, perinuclear region. Cell membrane; Peripheral membrane protein Perikaryon. Cell projection, dendrite Postsynaptic density. Note=Localized in the cell bodies of the pyramidal neurons and distributed along their apical dendrites Colocalized with PSD95 in postsynaptic sites. Colocalized with CPEB3 at apical dendrites of CA1 neurons (By similarity). Colocalized with JAG1 at the cell surface.

#### **Tissue Location**

Expressed in brain, testis, pituitary gland, pancreas and bone marrow. Also poorly expressed in malignant astrocytomas and several neuroectodermal tumor cell lines. Weakly expressed in medulloblastoma (MB) compared with normal cerebellar tissues.

# **NEURL1 Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **NEURL1 Antibody - Images**

# **NEURL1 Antibody - Background**

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# **NEURL1 Antibody - References**

Nakamura H.,et al.Oncogene 16:1009-1019(1998). Prinos P.,et al.Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases. Deloukas P.,et al.Nature 429:375-381(2004). Vollrath B.,et al.Mol. Cell. Biol. 21:7481-7494(2001). Teider N.,et al.J. Neurooncol. 12:1244-1256(2010).