

NEURL Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8737c**Specification**

NEURL Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O76050](#)**NEURL Antibody (Center) Blocking Peptide - 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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8737c](/products/AP8737c) was selected from the Center region of human NEURL. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NEURL Antibody (Center) Blocking Peptide - 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.

NEURL Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NEURL Antibody (Center) Blocking Peptide - Images**NEURL Antibody (Center) Blocking Peptide - References**

Kile,B.T., et.al., Trends Biochem. Sci. 27 (5), 235-241 (2002)