

Rabbit anti-Human Neuralized-1 Polyclonal Antibody | anti-NEURL1 antibody

Neuralized-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322566	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Neuralized-1; Polyclonal Antibody; Neuralized-1 Antibody; h neu; h neuralized 1; Neu 1; Neu; Neuralized homolog; Neuralized like protein 1; Neuralized like protein 1A; NEURL1; RING finger protein 67; RNF67; anti-NEURL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Neuralized-1 antibody detects endogenous levels of total Neuralized-1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	574
Applicable Applications for anti-NEURL1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Neuralized-1
Subcellular Location	Cell Membrane; Peripheral Membrane Protein. Cytoplasm; Perinuclear Region.
Tissue Specificity	Expressed in brain, testis, pituitary gland, pancreas and bone marrow. Also poorly expressed in an malignant astrocytomas and several neuroectodermal tumor cell lines. Weakly expressed in medulloblastoma (MB) compared with normal cerebellar tissues.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322566 staining MCF7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis Neuralized-1 using MCF7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-NEURL1 antibody	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. Subunit Structure: Interacts with CPEB3 (via N-terminal domain); the interaction increases CPEB3 ubiquitination. Interacts with DLL1. Post-translational Modifications: Myristoylation is a determinant of membrane targeting.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223278368
NCBI GeneID	9148
NCBI Accession #	NP_004201.3
NCBI GenBank Nucleotide #	NM_004210.4
UniProt Accession #	O76050; Q5TDR2; Q5TDR3; Q8TAN0; Q9H463
Molecular Weight	Observed: 62 kDa Predicted: 62 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase NEURL1
NCBI Official Synonym Full Names	neuralized E3 ubiquitin protein ligase 1
NCBI Official Symbol	NEURL1
NCBI Official Synonym Symbols	neu; NEUR1; NEURL; RNF67; neu-1; bA416N2.1
NCBI Protein Information	E3 ubiquitin-protein ligase NEURL1
UniProt Protein Name	E3 ubiquitin-protein ligase NEURL1
UniProt Gene Name	NEURL1
UniProt Synonym Gene Names	NEURL; NEURL1A; RNF67; h-neu; h-neuralized 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.