

Rabbit CPLX2 Polyclonal Antibody | anti-CPLX2 antibody

CPLX2 Antibody

CATALOG # AAA323194	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

CPLX2; Polyclonal Antibody; CPLX2 Antibody; 921 L; Complexin 2; Complexin II; Complexin-2; Complexin2; ComplexinII; CPLX 2; Cplx2; CPLX2_HUMAN; CPX 2; CPX II; CPXII; Hfb1; Synaphin 1; Synaphin-1; Synaphin1; anti-CPLX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CPLX2 antibody detects endogenous levels of CPLX2.
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	134
Applicable Applications for anti-CPLX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CPLX2.
Subcellular Location	Cytoplasm > Cytosol. Enriched at synaptic-releasing sites in mature neurons.
Tissue Specificity	Nervous system. In hippocampus and cerebellum, expressed mainly by excitatory neurons. Down-regulated in brain cortex from patients suffering from Huntington disease, bipolar disorder or major depression. Down-regulated in cerebellum from patients with schizophrenia.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of mouse brain tissue, using CPLX2 antibody.



IHC (Immunohistochemistry)
AAA323194 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CPLX2 antibody	Function: Negatively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. Positively regulates a late step in exocytosis of various cytoplasmic vesicles, such as synaptic vesicles and other secretory vesicles. Also involved in mast cell exocytosis (By similarity). Subunit Structure: Binds to the SNARE core complex containing SNAP25, VAMP2 and STX1A. Similarity: Belongs to the complexin/synaphin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56550065
NCBI GeneID	10814
NCBI Accession #	NP_001008221.1
NCBI GenBank Nucleotide #	NM_001008220.1
UniProt Accession #	Q6PUV4; O09056; Q13329; Q28184; Q52M15; Q64386; B2RAG2
Molecular Weight	Observed: 18-20 kDa Predicted: 16 kDa
NCBI Official Full Name	complexin-2
NCBI Official Synonym Full Names	complexin 2
NCBI Official Symbol	CPLX2
NCBI Official Synonym Symbols	CPX2; Hfb1; 921-L; CPX-2
NCBI Protein Information	complexin-2
UniProt Protein Name	Complexin-2
UniProt Gene Name	CPLX2
UniProt Synonym Gene Names	CPX II

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cplx2-antibody-immunohistochemistry-western-blot-elisa/323194>