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Datasheet for ABIN2784835

anti-CPLX2 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	CPLX2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Rabbit, Cow, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPLX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CPLX2
Sequence:	MDFVMKQALG GATKDMGKML GGEEKDPDA QKKEEERQEA LRQEEERKA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CPLX2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CPLX2
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Target Details

Alternative Name:	CPLX2 (CPLX2 Products)
Background:	<p>Proteins encoded by the complexin/synaphin gene family are cytosolic proteins that function in synaptic vesicle exocytosis. These proteins bind syntaxin, part of the SNAP receptor. The protein product of this gene binds to the SNAP receptor complex and disrupts it, allowing transmitter release. Two transcript variants encoding the same protein have been found for this gene.</p> <p>Alias Symbols: 921-L, CPX-2, CPX2, Hfb1, MGC138492</p> <p>Protein Interaction Partner: APP, STX3, STX2, STX1A,</p> <p>Protein Size: 134</p>
Molecular Weight:	15 kDa
Gene ID:	10814
NCBI Accession:	NM_006650 , NP_006641
UniProt:	Q6PUV4
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 134 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CPLX2 Antibody Titration:

0.2-1 ug/ml

Positive Control: Human Liver



Rabbit Anti-CPLX2 Antibody
Catalog Number: ARP52225
Lot Number: QC28826
Lane: Fetal Liver Lysate

Antibody Titration: 1.0 µg/ml
Gel Concentration: 10-20%

Western Blotting

Image 2. WB Suggested Anti-CPLX2

Antibody Titration: 0.2-1 µg/mL

Positive Control: Human Liver