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CLIP2 Rabbit pAb

Catalog # AP97783

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9UDT6
Other Accession	Q9UDT6
Reactivity	Rat
Predicted	Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	115837
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CYLN2
Epitope Specificity	901-1046/1046
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 2 CAP-Gly domains.
SUBUNIT	Interacts with CLASP1 and CLASP2.
DISEASE	Note=CLIP2 is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. Haploinsufficiency of CLIP2 may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in the disease.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the family of cytoplasmic linker proteins, which have been proposed to mediate the interaction between specific membranous organelles and microtubules. This protein was found to associate with both microtubules and an organelle called the dendritic lamellar body. This gene is hemizygously deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	7461
Other Names	CLIP; CLIP-115; CYLN2; WBSCR3; WBSCR4; WSCR3; WSCR4; B230327O20; Clip1; mKIAA0291; CLIP2_HUMAN; CLIP2; Cytoplasmic linker protein 115 (CLIP-115); Cytoplasmic linker protein 2; Williams-Beuren syndrome chromosomal region 3 protein; Williams-Beuren syndrome chromosomal region 4 protein; KIAA0291; CLIP2_MOUSE; CLIP2_RAT; CAP-Gly domain containing linker protein 2; cytoplasmic linker 2; Williams-Beuren syndrome

	chromosome region 3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CLIP2
Synonyms	CYLN2, KIAA0291, WBSCR3, WBSCR4, WSCR4
Function	Seems to link microtubules to dendritic lamellar body (DLB), a membranous organelle predominantly present in bulbous dendritic appendages of neurons linked by dendrodendritic gap junctions. May operate in the control of brain-specific organelle translocations (By similarity).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:O55156}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9Z0H8}. Note=Localizes preferentially to the ends of tyrosinated microtubules {ECO:0000250|UniProtKB:Q9Z0H8}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.