CYLN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CYLN2, Polyclonal Antibody
Full Product Name	CYLN2, CT (CLIP2, CYLN2, KIAA0291, WBSCR3, WBSCR4, WSCR4, CAP-Gly domain-containing linker protein 2, Cytoplasmic linker protein 115, Cytoplasmic linker protein 2, Williams-Beuren syndrome chromosomal region 3 protein, Williams-Beuren syndrome chromosomal
Product Gene Name	anti-CYLN2 antibody
Product Synonym Gene Name	CLIP2
Product Synonym Names	CLIP2; CYLN2; KIAA0291; WBSCR3; WBSCR4; WSCR4; CAP-Gly domain-containing linker protein 2; Cytoplasmic linker protein 115; Cytoplasmic linker protein 2; Williams-Beuren syndrome chromosomal region 3 protein; Williams-Beuren syndrome chromosomal region 4 protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	115,837 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (73703805..73820273). Location: 7q11.23
OMIM	603432
3D Structure	ModBase 3D Structure for Q9UDT6
Immunogen	CYLN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 910-940 amino acids from the C-terminal region of human CYLN2.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-CYLN2 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-CYLN2 antibody	Western Blot (WB), FLISA
Application Notes for anti-CYLN2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.

Related Product Information for anti-CYLN2 antibody	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.
Product References and Citations for anti-CYLN2 antibody	Rose, J. Phd, et al. Mol. Med. (2010). In press: Olsen, J.V., et al. Cell 127(3):635-648(2006). Olsen, J.V., et al. Cell 127(3):635-648(2006). Cheng, J., et al. Science 308(5725):1149-1154(2005). Evgrafov, O.V., et al. Nat. Genet. 36(6):602-606(2004).
Other Notes	Small volumes of anti-CYLN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CYLN2 purchase	MBS6290382 is an antibody targeting CYLN2. Also known as CYLN2, CT (CLIP2, CYLN2, KIAA0291, WBSCR3, WBSCR4, WSCR4, CAP-Gly domain-containing linker protein 2, Cytoplasmic linker protein 115, Cytoplasmic linker protein 2, Williams-Beuren syndrome chromosomal region 3 protein, Williams-Beuren syndrome chromosomal. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYLN2. It may not necessarily be applicable to this product.

NCBI GI #	116008447
NCBI GeneID	7461
NCBI Accession #	NP_003379.3
NCBI Related Accession #	NP_115797.1
UniProt Primary Accession #	Q9UDT6
UniProt Secondary Accession #	O14527; O43611
UniProt Related Accession #	Q9UDT6
GenBank Nucleotide #	NM_003388.4
NCBI Official Full Name	CAP-Gly domain-containing linker protein 2 isoform 1
NCBI Official Synonym Full Names	CAP-GLY domain containing linker protein 2
NCBI Official Symbol	CLIP2
NCBI Official Synonym Symbols	CLIP; CYLN2; WSCR3; WSCR4; WBSCR3; WBSCR4; CLIP-115
UniProt Protein Name	CAP-Gly domain-containing linker protein 2
UniProt Synonym Protein Names	Cytoplasmic linker protein 115; CLIP-115; Cytoplasmic linker protein 2; Williams-Beuren syndrome chromosomal region 3 protein; Williams-Beuren syndrome chromosomal region 4 protein
UniProt Gene Name	CLIP2
UniProt Synonym Gene Names	CYLN2; KIAA0291; WBSCR3; WBSCR4; WSCR4; CLIP-115
UniProt Entry Name	CLIP2_HUMAN
NCBI Protein Information	CAP-Gly domain-containing linker protein 2; cytoplasmic linker 2; cytoplasmic linker protein 2; cytoplasmic linker protein 115; Williams-Beuren syndrome chromosome region 3; Williams-Beuren syndrome chromosome region 4; williams-Beuren syndrome chromosoma

UniProt Comments for CYLN2	CYLN2: 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. 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. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Chromosomal Location of Human Ortholog: 7q11.23 Cellular Component: microtubule associated complex; cytoplasmic microtubule Molecular Function: microtubule plus-end binding
Research Articles on CYLN2	**1.** CLIP2 haploinsufficiency by itself does not lead to the physical or cognitive characteristics of the Williams-Beuren syndrome; GTF2IRD1 and GTF2I are the main genes causing the cognitive defects
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