CHIC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHIC2, Polyclonal Antibody
Full Product Name	CHIC2, CT (CHIC2, BTL, Cysteine-rich hydrophobic domain 2 protein, BrX-like translocated in leukemia) (MaxLight 750)
Product Gene Name	anti-CHIC2 antibody
Product Synonym Names	CHIC2; BTL; Cysteine-rich hydrophobic domain 2 protein; BrX-like translocated in leukemia
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 MaxLight750.
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: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	19,254 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (54874540..54931562, complement). Location: 4q11
OMIM	604332
3D Structure	ModBase 3D Structure for Q9UKJ5
Immunogen	CHIC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 145-173 amino acids from the C-terminal region of human CHIC2.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-CHIC2 antibody	Antibodies; Cancer Markers; Leukemia
Applications Tested/Suitable for anti-CHIC2 antibody	Western Blot (WB), FLISA
Application Notes for anti-CHIC2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CHIC2 antibody	CHIC2 is a member of the CHIC family of proteins. This protein contains a cysteine-rich hydrophobic (CHIC) motif, and is localized to vesicular structures and the plasma membrane.
Product References and Citations for anti-CHIC2 antibody	Fink, S.R., et al. Leuk. Res. 33(6):843-846(2009). Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009). Pardanani, A., et al. Blood 102(9):3093-3096(2003). Cools, J., et al. FEBS Lett. 492(3):204-209(2001). Cools, J., et al. FEBS Lett. 492(3):204-209(2001).

Other Notes	Small volumes of anti-CHIC2 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 CHIC2 purchase	MBS6285632 is an antibody targeting CHIC2. Also known as CHIC2, CT (CHIC2, BTL, Cysteine-rich hydrophobic domain 2 protein, BrX-like translocated in leukemia) (MaxLight 750). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHIC2. It may not necessarily be applicable to this product.

NCBI GI #	6912276
NCBI GeneID	26511
NCBI Accession #	NP_036242.1
UniProt Primary Accession #	Q9UKJ5
UniProt Secondary Accession #	B2R639
UniProt Related Accession #	Q9UKJ5
GenBank Nucleotide #	NM_012110.3
NCBI Official Full Name	cysteine-rich hydrophobic domain 2 protein
NCBI Official Synonym Full Names	cysteine-rich hydrophobic domain 2
NCBI Official Symbol	CHIC2
NCBI Official Synonym Symbols	BTL
UniProt Protein Name	Cysteine-rich hydrophobic domain 2 protein
UniProt Synonym Protein Names	BrX-like translocated in leukemia
Protein Family	Cysteine-rich hydrophobic domain-containing protein
UniProt Gene Name	CHIC2
UniProt Synonym Gene Names	BTL
UniProt Entry Name	CHIC2_HUMAN
NCBI Protein Information	cysteine-rich hydrophobic domain 2 protein; BRX-like translocated in leukemia; cystein-rich hydrophobic domain 2
NCBI Summary for CHIC2	This gene encodes a member of the CHIC family of proteins. The encoded protein contains a cysteine-rich hydrophobic (CHIC) motif, and is localized to vesicular structures and the plasma membrane. This gene is associated with some cases of acute myeloid leukemia. [provided by RefSeq, Jul 2008]
UniProt Comments for CHIC2	Subcellular location: Cell membrane. Cytoplasmic vesicle. Note: Also present at a Golgi-like vesicular compartment and at scattered vesicles. Ref.5 Post-translational modification: Palmitoylation in the CHIC motif is required for membrane association. Ref.5 Involvement in disease: A chromosomal aberration involving CHIC2 is found in a form of acute myeloid leukemia (AML). Translocation t(4;12)(q12;p13) with ETV6. Sequence similarities: Belongs to the CHIC family.
Research Articles on CHIC2	**1.** studied a new FISH method to detect CHIC2 deletion, FIP1L1/PDGFRA fusion and PDGFRA translocation in patients with myeloid neoplasms associated with eosinophilia
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