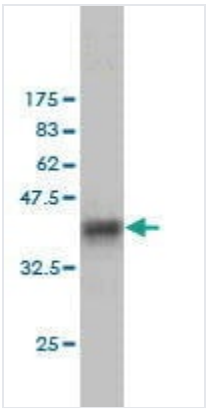
SH2D3C Antibody – Mouse Monoclonal

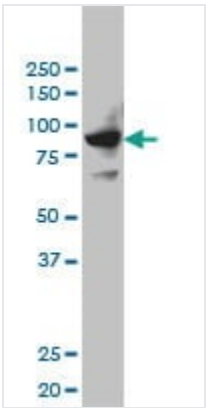
PRODUCT OVERVIEW

Product Name	SH2D3C, Monoclonal Antibody
Full Product Name	SH2D3C (SH2 Domain-Containing Protein 3C, Novel SH2-Containing Protein 3, NSP3, UNQ272/PRO309/PRO34088)
Product Gene Name	anti-SH2D3C antibody
Product Synonym Names	Anti -SH2D3C (SH2 Domain-Containing Protein 3C, Novel SH2-Containing Protein 3, NSP3, UNQ272/PRO309/PRO34088)
Immunogen Sequence	MTAVGRRCPA LGSRGAAGEP EAGSDYVKFS KEKYILDSSP EKLHKELEEE LKLSSTDLRS HAWYHGRIPR EVSETLVQRN GDFLIRDSLT SLGDYVLTCR WRNQALHFKI
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3B2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human SH2D3C.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	94,411 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (130500596..130541048, complement). Location: 9q34.11
OMIM	604722
3D Structure	ModBase 3D Structure for Q8N5H7
Immunogen	Partial recombinant corresponding to aa1-110 from SH2D3C (NP_005480) with GST tag. MW of the GST tag alone is 26kD.
Product Categories/Family for anti-SH2D3C antibody	Antibodies; Abs to Proteins
Applications Tested/Suitable for anti-SH2D3C antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-SH2D3C antibody	Suitable for use in ELISA, Western Blot and Immunohistochemistry. Dilution: Immunohistochemistry (Formalin fixed paraffin embedded): 3ug/ml
Related Product Information for anti-SH2D3C antibody	Eph receptor-binding protein which may be a positive regulator of TCR signaling. Binding to BCAR1 is required to induce membrane ruffling and promote EGF-dependent cell migration.
Other Notes	Small volumes of anti-SH2D3C 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.

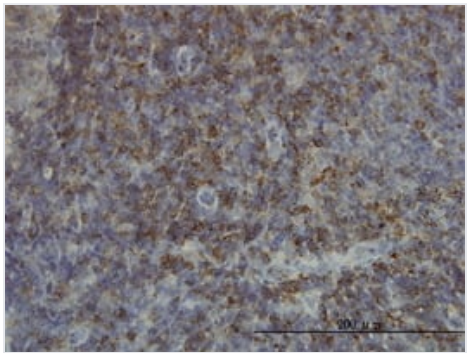
Searchable Terms for SH2D3C purchase	MBS648270 is an antibody targeting SH2D3C. Also known as SH2D3C (SH2 Domain-Containing Protein 3C, Novel SH2-Containing Protein 3, NSP3, UNQ272/PRO309/PRO34088). Reactive in Human. Host: Mouse.



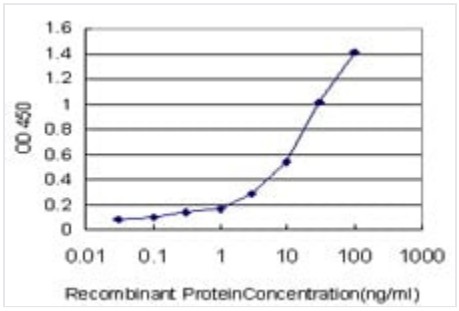
Western Blot (WB) of anti-SH2D3C antibody
Western Blot detection against Immunogen (37.84kD).



Western Blot (WB) of anti-SH2D3C antibody
SH2D3C monoclonal antibody Western Blot analysis of SH2D3C expression in HeLa NE



Immunohistochemistry (IHC) of anti-SH2D3C antibody
Immunoperoxidase of monoclonal antibody to SH2D3C on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3ug/ml]



Testing Data of anti-SH2D3C antibody
Detection limit for recombinant GST tagged SH2D3C is ~0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SH2D3C. It may not necessarily be applicable to this product.

NCBI GI #	356640213
NCBI GeneID	10044
NCBI Accession #	NP_001239263.1
UniProt Primary Accession #	Q8N5H7
UniProt Secondary Accession #	Q5HYE5; Q5JU31; Q6UY42; Q8N6X3; Q9Y2X5; A8K5S8; E9PG48
UniProt Related Accession #	Q8N5H7
GenBank Nucleotide #	NM_001252334.1
NCBI Official Full Name	SH2 domain-containing protein 3C isoform f
NCBI Official Synonym Full Names	SH2 domain containing 3C
NCBI Official Symbol	SH2D3C
NCBI Official Synonym Symbols	CHAT; NSP3; SHEP1; PRO34088
UniProt Protein Name	SH2 domain-containing protein 3C
UniProt Synonym Protein Names	Novel SH2-containing protein 3; SH2 domain-containing Eph receptor-binding protein 1
Protein Family	SH2 domain-containing protein

UniProt Gene Name	SH2D3C
UniProt Synonym Gene Names	NSP3; SHEP1
UniProt Entry Name	SH2D3_HUMAN
NCBI Protein Information	SH2 domain-containing protein 3C; novel SH2-containing protein 3; SH2 domain-containing Eph receptor-binding protein 1
NCBI Summary for SH2D3C	This gene encodes an adaptor protein and member of a cytoplasmic protein family involved in cell migration. The encoded protein contains a putative Src homology 2 (SH2) domain and guanine nucleotide exchange factor-like domain which allows this signaling protein to form a complex with scaffolding protein Crk-associated substrate. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
UniProt Comments for SH2D3C	Function: Eph receptor-binding protein which may be a positive regulator of TCR signaling. Binding to BCAR1 is required to induce membrane ruffling and promote EGF-dependent cell migration By similarity. Subunit structure: Interacts with PTK2B. Interacts with NEDD9/HEF1 By similarity. Interacts (via C-terminus) with BCAR1/CAS. Subcellular location: Cytoplasm By similarity. Membrane; Peripheral membrane protein By similarity. Note: Associated with the membrane when EGF-stimulated. Found at ruffling membranes By similarity. Tissue specificity: Ubiquitously expressed. Ref.1 Domain: The C-terminal Cdc25-homology/Ras-GEF domain adopts a closed conformation rendering it incapable of carrying out canonical exchange factor function, this closed conformation is required for interaction with BCAR1. Sequence similarities: Contains 1 Ras-GEF domain.Contains 1 SH2 domain. Sequence caution: The sequence AAQ88456.1 differs from that shown. Reason: Erroneous initiation.
Research Articles on SH2D3C	**1.** The structure of the NSP3-p130Cas complex reveals that this closed conformation is instrumental for interaction of NSP proteins with a focal adhesion-targeting domain present in Cas proteins.
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