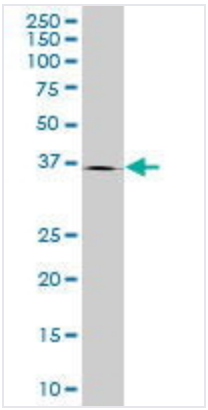
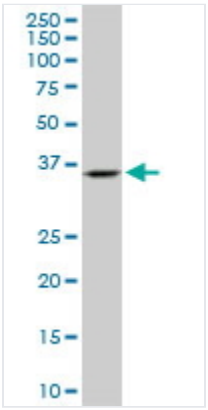
SH3GL2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

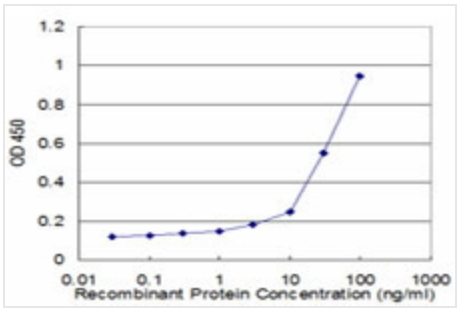
Product Name	SH3GL2, Monoclonal Antibody
Full Product Name	SH3GL2 (SH3-Domain GRB2-like 2, CNSA2, EEN-B1, FLJ20276, FLJ25015, SH3D2A, SH3P4) (APC)
Product Gene Name	anti-SH3GL2 antibody
Product Synonym Names	SH3-Domain GRB2-like 2; CNSA2; EEN-B1; FLJ20276; FLJ25015; SH3D2A; SH3P4
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2G6
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes SH3GL2.
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: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	42.5 kDa (376aa) confirmed by MALDI-TOF
OMIM	604465
3D Structure	ModBase 3D Structure for Q99962
Immunogen	SH3GL2 (NP_003017, 64aa-124aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SRAKLSMINTMSKIRGQEKGPGYPQAEALLAEAMLKFGRELGDDCNFGPALGEVGEAMREL
Conjugate	APC
Product Categories/Family for anti-SH3GL2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-SH3GL2 antibody	Western Blot (WB)
Application Notes for anti-SH3GL2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SH3GL2 antibody	MBS6168507 is an antibody targeting SH3GL2. Also known as SH3GL2 (SH3-Domain GRB2-like 2, CNSA2, EEN-B1, FLJ20276, FLJ25015, SH3D2A, SH3P4) (APC). Host: Mouse. Mouse monoclonal antibody raised against a partial recombinant SH3GL2.
Other Notes	Small volumes of anti-SH3GL2 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.



Western Blot (WB) of anti-SH3GL2 antibody
SH3GL2 monoclonal antibody (M06), clone 2G6. Western Blot analysis of SH3GL2 expression in Hela S3 NE.



Western Blot (WB) of anti-SH3GL2 antibody
SH3GL2 monoclonal antibody (M06), clone 2G6. Western Blot analysis of SH3GL2 expression in PC-12.



Testing Data of anti-SH3GL2 antibody
Detection limit for recombinant GST tagged SH3GL2 is approximately 3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SH3GL2. It may not necessarily be applicable to this product.

NCBI GI #	4506931
NCBI GeneID	6456
NCBI Accession #	NP_003017
UniProt Primary Accession #	Q99962
UniProt Secondary Accession #	Q9NQK5; B2R618
UniProt Related Accession #	Q99962
GenBank Nucleotide #	NP_003017.1
NCBI Official Full Name	endophilin-A1
NCBI Official Synonym Full Names	SH3 domain containing GRB2 like 2, endophilin A1
NCBI Official Symbol	SH3GL2
NCBI Official Synonym Symbols	CNSA2; SH3P4; EEN-B1; SH3D2A
UniProt Protein Name	Endophilin-A1
UniProt Synonym Protein Names	EEN-B1; Endophilin-1; SH3 domain protein 2A; SH3 domain-containing GRB2-like protein 2
Protein Family	Endophilin

UniProt Gene Name	SH3GL2
UniProt Synonym Gene Names	CNSA2; SH3D2A
UniProt Entry Name	SH3G2_HUMAN
NCBI Protein Information	endophilin-A1
UniProt Comments for SH3GL2	endophilin 1: Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature. Belongs to the endophilin family. Protein type: Membrane protein, peripheral; Vesicle; Adaptor/scaffold Chromosomal Location of Human Ortholog: 9p22 Cellular Component: Golgi membrane; plasma membrane; cytosol Molecular Function: identical protein binding; protein binding; lipid binding Biological Process: epidermal growth factor receptor signaling pathway; negative regulation of epidermal growth factor receptor signaling pathway; axon guidance; central nervous system development; nerve growth factor receptor signaling pathway; regulation of receptor internalization; synaptic vesicle endocytosis; antigen processing and presentation of exogenous peptide antigen via MHC class II; post-Golgi vesicle-mediated transport; signal transduction
Research Articles on SH3GL2	**1.** This study identified a new mitochondria reprogramming pathway influencing breast cancer progression through SH3GL2 and MFN2. These proteins were frequently lost in breast cancer, which was traceable in the circulating exosomes.
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