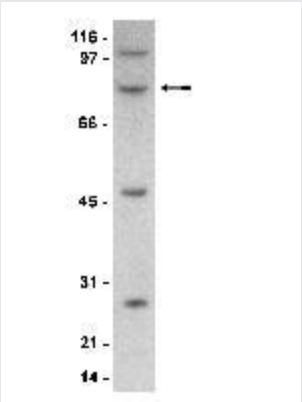
SETA Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SETA, Monoclonal Antibody
Full Product Name	SETA (CIN85, Ruk, SH3KBPI) (PE)
Product Gene Name	anti-SETA antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	5H43
Host	Mouse
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein G Affinity Chromatography
Specificity	Recognizes rat SETA, Mr ~85kD. SETA has multiple splice variants which can result in multiple bands in Western Blot. Species Crossreactivity: human, mouse.
Preparation and Storage	Store at 4 degree C. Do Not Freeze.
Molecular Weight	665
OMIM	300374
3D Structure	ModBase 3D Structure for Q96B97
Immunogen	6His and HA tagged fusion protein corresponding to full length rat SETA.
Conjugate	PE
Product Categories/Family for anti-SETA antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-SETA antibody	Immunocytochemistry (ICC), Immunoprecipitation (IP), Western Blot (WB)
Related Product Information for anti-SETA antibody	MBS6244560 is an antibody targeting SETA. Also known as SETA (CIN85, Ruk, SH3KBPI) (PE). Reactive in Human, Mouse, Rat. Host: Mouse.
Product References and Citations for anti-SETA antibody	1. Finniss, S., et al., Biochem. Biophys. Res. Comm. 325: 174-182, 2004. 2. Chen, B., et al., J. Biol. Chem. 275: 19275-19281, 2000. 3. Bogler, O., et al., Neuro-Oncology 2: 6-15, 2000.
Other Notes	Small volumes of anti-SETA 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.



Testing Data of anti-SETA antibody
NG108-15 cell lysate was resolved by electrophoresis, transferred to nitrocellulose and probed with MBS603651 (1ug/ml). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and a chemiluminescence detection system. Arrow indicates SETA (85kD).

ADDITIONAL DETAILS

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

NCBI GI #	31077034
NCBI GeneID	30011
NCBI Accession #	Q96B97.2
UniProt Primary Accession #	Q96B97
UniProt Secondary Accession #	Q5JPT4; Q5JPT5; Q8IWX6; Q8IX98; Q96RN4; Q9NYR0; B7Z1D5
UniProt Related Accession #	Q96B97
GenBank Nucleotide #	NM_031892
NCBI Official Full Name	SH3 domain-containing kinase-binding protein 1
NCBI Official Synonym Full Names	SH3-domain kinase binding protein 1
NCBI Official Symbol	SH3KBP1
NCBI Official Synonym Symbols	HSB1; CIN85; GIG10; HSB-1; MIG18; CD2BP3
UniProt Protein Name	SH3 domain-containing kinase-binding protein 1
UniProt Synonym Protein Names	CD2-binding protein 3; CD2BP3; Cbl-interacting protein of 85 kDa; Human Src family kinase-binding protein 1; HSB-1
Protein Family	Subversion of eukaryotic traffic protein
UniProt Gene Name	SH3KBP1
UniProt Synonym Gene Names	CIN85; CD2BP3; HSB-1
UniProt Entry Name	SH3K1_HUMAN
NCBI Protein Information	SH3 domain-containing kinase-binding protein 1; CD2-binding protein 3; c-Cbl-interacting protein; migration-inducing gene 18; cbl-interacting protein of 85 kDa; Src family kinase-binding protein 1; src-related kinase binding protein-1; human Src family ki
NCBI Summary for SETA	This gene encodes an adapter protein that contains three N-terminal Src homology domains, a proline rich region and a C-terminal coiled-coil domain. The encoded protein facilitates protein-protein interactions and has been implicated in numerous cellular processes including apoptosis, cytoskeletal rearrangement, cell adhesion and in the regulation of clathrin-dependent endocytosis. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

UniProt Comments for SETA	SH3KBP1: Adapter protein involved in regulating diverse signal transduction pathways. Involved in the regulation of endocytosis and lysosomal degradation of ligand-induced receptor tyrosine kinases, including EGFR and MET/hepatocyte growth factor receptor, through a association with CBL and endophilins. The association with CBL, and thus the receptor internalization, may inhibited by an interaction with PDCD6IP and/or SPRY2. Involved in regulation of ligand-dependent endocytosis of the IgE receptor. Attenuates phosphatidylinositol 3-kinase activity by interaction with its regulatory subunit. May be involved in regulation of cell adhesion; promotes the interaction between TTK2B and PDCD6IP. May be involved in the regulation of cellular stress response via the MAPK pathways through its interaction with MAP3K4. Is involved in modulation of tumor necrosis factor mediated apoptosis. Can self-associate and form homotetramers. Interacts with CD2, F-actin capping protein, PIK3R3, GRB2, EGFR, MET, BLNK, MAP3K4, PDCD6IP, SPRY2, ARHGAP17, ARHGAP27, MAGI2, CRK, BCAR1, SOS1, ASAP1, ARAP3, HIP1R, SYNJ2, INPP5D and STAP1. Interacts with CBL and CBLB, but does not interact with CBLC. Two molecules of SH3KBP1 seem to bind through their respective SH3 1 domain to one molecule of CBLB. The interaction with CBL or CBLB and EGFR is increased upon EGF stimulation. The interaction with CBL is attenuated by PDCD6IP. Interacts through its proline-rich region with the SH3 domain of endophilins SH3GL1, SH3GL2 and SH3GL3. The SH3KBP1-endophilin complex seems to associate with a complex containing the phosphorylated receptor (EGFR or MET) and phosphorylated CBL. Probably associates with ASAP1 and phosphorylated EGFR. Probably part of a complex consisting of at least SH3KBP1, ASAP1 and ARAP3. Interacts with focal adhesion kinases PTK2 AND PTK2B, probably as a dimer. Interacts with DAB2 and probably associates with chathrin through its interaction with DAB2. Part of a complex consisting of SH3KBP1, DAB2, and clathrin heavy chain. DAB2 and clathrin dissociate from SH3KBP1 following growth factor treatment, enabling interaction with CBL. Interacts with DDN and probably associates with MAGI2 through its interaction with DDN. Interacts with the SH3 domains of SRC tyrosine-protein kinases SRC, LCK, LYN, FGR, FYN and HCK. Interacts with TRADD, BIRC2, TRAF1, TRAF2 and TNFR1, and the association with a TNFR1-associated complex upon stimulation with TNF-alpha seems to be mediated by SRC. Probably interacts with SH3KBP1. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; Adaptor/scaffold; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: Xp22.1-p21.3 Cellular Component: neuron projection; cytoskeleton; cytoplasmic vesicle membrane; focal adhesion; plasma membrane; synapse; intercellular junction; cytosol Molecular Function: protein binding; SH3 domain binding Biological Process: epidermal growth factor receptor signaling pathway; negative regulation of epidermal growth factor receptor signaling pathway; regulation of cell shape; cell migration; cell-cell signaling; apoptosis; cytoskeleton organization and biogenesis; endocytosis
Research Articles on SETA	**1.** LOX-PP interacts with CIN85 via a novel SH3-binding motif and this association reduces CIN85-promoted invasion by breast cancer cells.
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