



Rabbit Anti-CD2BP3 antibody

SL6239R

Product Name:	CD2BP3
Chinese Name:	CD2Binding protein3抗体
Alias:	Cbl interacting protein; Cbl interacting protein of 85 kDa; CD2 binding protein 3; CD2BP3; CIN 85; CIN85; GIG 10; GIG10; HSB 1; Human Src family kinase binding protein 1; MIG 18; MIG18; Migration inducing gene 18 protein; SH3 domain kinase binding protein 1; SH3BP 1; Src family kinase binding protein 1; src related kinase binding protein 1; SH3K1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Cow,Rabbit,Sheep,
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	73kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SH3KBP1/CD2BP3:591-665/665
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	SH3KBP1 belongs to the CIN85/CMS family of adaptor molecules, characterized by containing three N-terminal Src homology domains, a proline rich region and a C-terminal coiled-coil domain. The different members of the family orchestrate a network

involved in downregulation and degradation of receptor tyrosine kinases. SH3KBP1 is 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. In the case of EGF receptor turnover, its activation involves recruitment of SH3KBP1- endophilin complexes to mediate internalization. Once internalized, RTKs are delivered into the endosomal compartment where receptors get sorted for either recycling back to the cell surface or are targeted to lysosomes for degradation. Alternate splicing results in multiple transcript variants.

Function:

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 (By similarity). 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.

Subunit:

Contains 3 SH3 domains.

Subcellular Location:

Cytoplasm > cytoskeleton. Cytoplasmic vesicle membrane. Cell junction > synapse > synaptosome. Cell junction > focal adhesion. Localized in endocytic vesicles containing clustered receptors. Colocalizes with ASAP1 in vesicular structures. Colocalized with actin microfilaments and focal adhesions (By similarity). Colocalized with MAGI2 in synaptosomes.

Tissue Specificity:

Ubiquitously expressed. Also expressed in some cancer cell lines.

Post-translational modifications:

Monoubiquitinated by CBL and CBLB after EGF stimulation; probably on its C-terminus.

Similarity:

Contains 3 SH3 domains.

SWISS:

Q96B97

Gene ID:
30011

Database links:

[Entrez Gene: 30011](#)Human

[Omir: 300374](#)Human

[SwissProt: Q96B97](#)Human

[Unigene: 726365](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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