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Datasheet for ABIN716216 **anti-SH3KBP1 antibody (AA 591-665)**

Overview

Quantity:	100 µL
Target:	SH3KBP1
Binding Specificity:	AA 591-665
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SH3KBP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SH3KBP1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SH3KBP1
Alternative Name:	Sh3kbp1 (SH3KBP1 Products)

Target Details

Background: Synonyms: 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.

Background: 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.

Gene ID: 30011

Pathways: [EGFR Signaling Pathway](#), [EGFR Downregulation](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months