

Rabbit Sts1 Polyclonal Antibody | anti-UBASH3B antibody

Sts1 Antibody

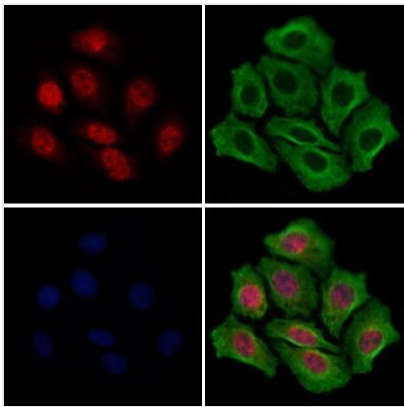
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31271	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

Sts1; Polyclonal Antibody; Sts1 Antibody; Cbl interacting protein p70; Cbl interacting protein Sts 1; Cbl interacting protein Sts1; Cbl-interacting protein p70; KIAA1959; MGC15437; Nm23 phosphorylated unknown substrate; p70; SH3 domain containing 70 kDa protein; Sts 1; STS-1; STS1; Suppressor of T cell receptor signaling 1; Suppressor of T-cell receptor signaling 1; T-cell ubiquitin ligand 2; TULA-2; Tyrosine-protein phosphatase STS1/TULA2; Ubash3b; Ubiquitin associated and SH3 domain containing B; Ubiquitin-associated and SH3 domain-containing protein B; UBS3B_HUMAN; anti-UBASH3B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Sts1 Antibody detects endogenous levels of total Sts1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	649
Applicable Applications for anti-UBASH3B antibody	ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human Sts1, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



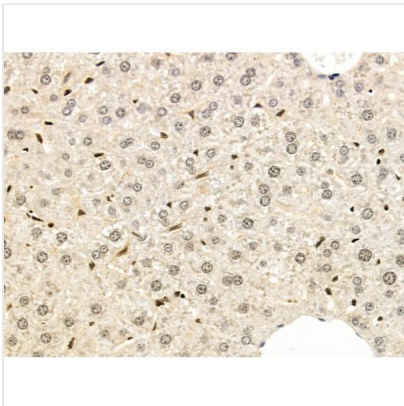
IF (Immunofluorescence)

AAA31271 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31271 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



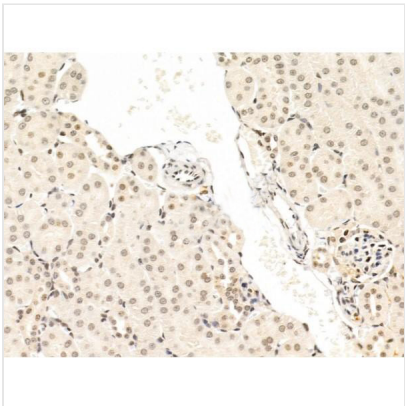
IHC (Immunohistochemistry-Paraffin)

AAA31271 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31271 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



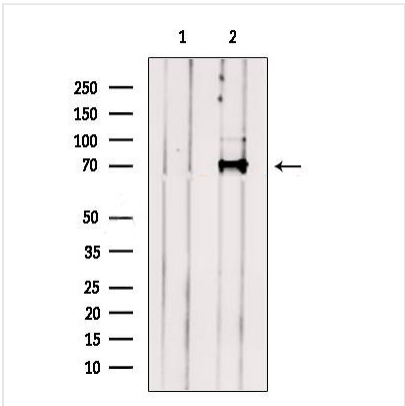
IHC (Immunohistochemistry-Paraffin)

AAA31271 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31271 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using Sts1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-UBASH3B antibody	Function: Interferes with CBL-mediated down-regulation and degradation of receptor-type tyrosine kinases. Promotes accumulation of activated target receptors, such as T-cell receptors and EGFR, on the cell surface. Exhibits tyrosine phosphatase activity toward several substrates including EGFR, FAK, SYK, and ZAP70. Down-regulates proteins that are dually modified by both protein tyrosine phosphorylation and ubiquitination. Subcellular Location: Cytoplasm. Nucleus. Subunit Structure: Homodimer. Interacts with JAK2 (in vitro) (By similarity). Interacts with CBL (PubMed:15159412). Part of a complex containing CBL and activated EGFR (PubMed:15159412). Interacts with ubiquitin and with mono-ubiquitinated proteins (PubMed:15159412). Interacts with ZAP70 (ubiquitinated form) (PubMed:26903241).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110287974
NCBI GeneID	84959
UniProt Accession #	Q8TF42
Molecular Weight	Observed Molecular Weight: (Observed)72kD. Predicted Molecular Weight: (Calculated)73kDa.
NCBI Official Full Name	Ubiquitin-associated and SH3 domain-containing protein B
NCBI Official Synonym Full Names	ubiquitin associated and SH3 domain containing B
NCBI Official Symbol	UBASH3B
NCBI Official Synonym Symbols	p70; STS1; STS-1; TULA2; TULA-2
NCBI Protein Information	ubiquitin-associated and SH3 domain-containing protein B
UniProt Protein Name	Ubiquitin-associated and SH3 domain-containing protein B
UniProt Gene Name	UBASH3B
UniProt Synonym Gene Names	KIAA1959; STS1; STS-1; TULA-2
UniProt Entry Name	UBS3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.