

Rabbit STUB1 Polyclonal Antibody | anti-STUB1 antibody

STUB1 Antibody (C-term)

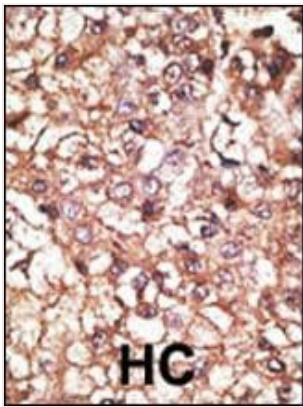
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284480	Rabbit	Human (Predicted Reactivity: Chicken, Mouse)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

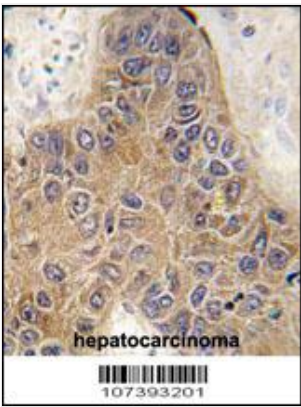
STUB1; Polyclonal Antibody; STUB1 Antibody (C-term); E3 ubiquitin-protein ligase CHIP; 632-; Antigen NY-CO-7; CLL-associated antigen KW-8; Carboxy terminus of Hsp70-interacting protein; STIP1 homology and U box-containing protein 1 {ECO:0000312|HGNC:HGNC:11427}; STUB1 HGNC:11427; anti-STUB1 antibody

PRODUCT SPECIFICATIONS

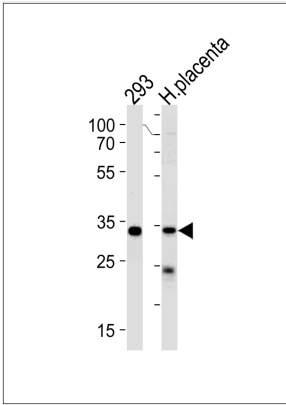
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This STUB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 203-231 amino acids from the C-terminal region of human STUB1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	203-231
Sequence Length	231
Applicable Applications for anti-STUB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



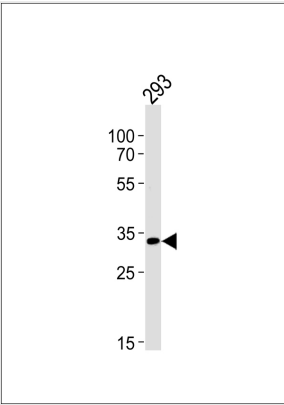
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with CHIP (STUB1) antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
CHIP Antibody (C-term) western blot analysis in 293 cell line and human placenta lysates (35ug/lane).This demonstrates the CHIP antibody detected the CHIP protein (arrow).



WB (Western Blot)
CHIP Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the CHIP antibody detected the CHIP protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-STUB1 antibody	CHIP is an E3 ligase for nNOS whose action is facilitated by (and possibly requires) its interaction with nNOS-bound hsp70. Co-chaperone CHIP, possibly with another E3 ligase(s), modulates the ubiquitylation of mutant Cu/Zn-superoxide dismutase and renders them more susceptible for proteasomal degradation. CHIP functions as a negative regulator of AR transcriptional activity by promoting AR degradation. CHIP-Hsc70 complex ubiquitinates phosphorylated tau and enhances cell survival. CHIP can interact with the Smad1/Smad4 proteins and block BMP signal transduction through the ubiquitin-mediated degradation of Smad proteins. CHIP E3 controls both the association of Hsp70/Hsp90 chaperones with ErbB2 and the down-regulation of ErbB2 induced by inhibitors of Hsp90. CHIP is associated with Parkin and enhances its ubiquitin ligase activity related to Parkinson's disease.
Product Categories/Family for anti-STUB1 antibody	Crown Antibodies; Signal Transduction
References	Peng,H.M., et al. J. Biol. Chem. 279 (51), 52970-52977 (2004) Alberti,S., et al. Mol. Biol. Cell 15 (9), 4003-4010 (2004) Beausoleil,S.A., et al. PNAS 101 (33), 12130-12135 (2004) He,B., et al. J. Biol. Chem. 279 (29), 30643-30653 (2004) Petrucelli,L., et al. Hum. Mol. Genet. 13 (7), 703-714 (2004) Shimura,H., et al. J. Biol. Chem. 279 (6), 4869-4876 (2004) Li,L., et al. Mol. Cell. Biol. 24 (2), 856-864 (2004) Zhou,P., et al. J. Biol. Chem. 278 (16), 13829-13837 (2003) Imai,Y., et al. Mol. Cell 10 (1), 55-67 (2002) Ballinger,C.A., et al. Mol. Cell. Biol. 19 (6), 4535-4545 (1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	56181387
NCBI GeneID	10273
NCBI Accession #	NP_005852.2
NCBI GenBank Nucleotide #	NM_005861.3
UniProt Accession #	Q9UNE7; O60526; Q969U2; Q9HBT1; A2IDB9
Molecular Weight	34856
NCBI Official Full Name	E3 ubiquitin-protein ligase CHIP isoform a
NCBI Official Synonym Full Names	STIP1 homology and U-box containing protein 1, E3 ubiquitin protein ligase
NCBI Official Symbol	STUB1
NCBI Official Synonym Symbols	CHIP; UBOX1; SCAR16; HSPABP2; NY-CO-7; SDCCAG7
NCBI Protein Information	E3 ubiquitin-protein ligase CHIP
UniProt Protein Name	E3 ubiquitin-protein ligase CHIP
UniProt Gene Name	STUB1
UniProt Entry Name	CHIP_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/stub1-antibody-western-blot-immunohistochemistry-elisa/284480>