Rabbit STUB1 Polyclonal Antibody | anti-STUB1 antibody

STUB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233135	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

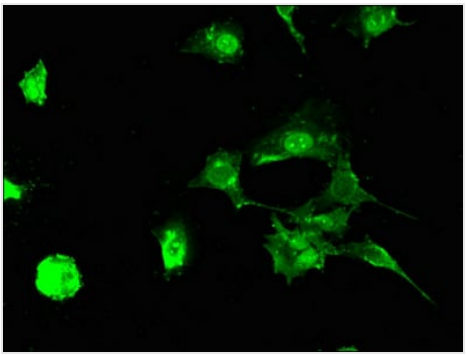
PRODUCT SYNONYMS

STUB1; Polyclonal Antibody; STUB1 Antibody; E3 ubiquitin-protein ligase CHIP; Antigen NY-CO-7; anti-STUB1 antibody

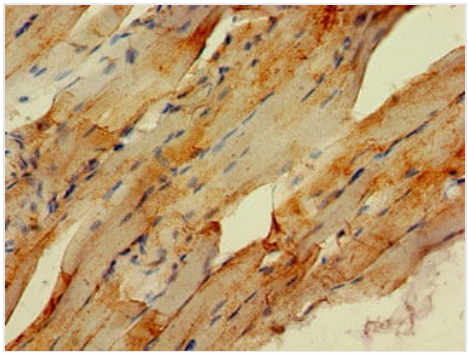
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	231
Applicable Applications for anti-STUB1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human E3 ubiquitin-protein ligase CHIP protein (1-48AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-33264 / sc-33265 / sc-66830
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

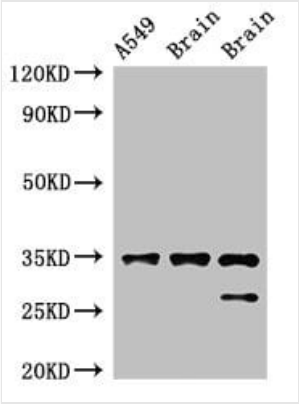
IMAGES



IHC (Immunohistochemisry)
Immunofluorescent analysis of MCF-7 cells using AAA233135 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using AAA233135 at dilution of 1:100



WB (Western Blot)
Western BlotPositive WB detected in: A549 whole cell lysate,Rat brain tissue,Mouse brain tissueAll lanes: STUB1 antibody at 2ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 35,28 KDaObserved band size: 35,28 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-STUB1 antibody	E3 ubiquitin-protein ligase which targets misfolded chaperone substrates towards proteasomal degradation. Collaborates with ATXN3 in the degradation of misfolded chaperone substrates: ATXN3 restricting the length of ubiquitin chain attached to STUB1/CHIP substrates and preventing further chain extension. Ubiquitinates NOS1 in concert with Hsp70 and Hsp40. Modulates the activity of several chaperone complexes, including Hsp70, Hsc70 and Hsp90. Mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation. Mediates polyubiquitination of DNA polymerase beta (POLB) at 'Lys-41', 'Lys-61' and 'Lys-81', thereby playing a role in base-excision repair: catalyzes polyubiquitination by amplifying the HUWE1/ARF-BP1-dependent monoubiquitination and leading to POLB-degradation by the proteasome. Mediates polyubiquitination of CYP3A4. Ubiquitinates EPHA2 and may regulate the receptor stability and activity through proteasomal degradation. Negatively regulates the suppressive function of regulatory T-cells (Treg) during inflammation by mediating the ubiquitination and degradation of FOXP3 in a HSPA1A/B-dependent manner (PubMed: 23973223).

NCBI AND UNIPROT INFORMATION

NCBI GI #	645912990
NCBI GeneID	10273
NCBI Accession #	NP_001280126.1
NCBI GenBank Nucleotide #	NM_001293197.1
UniProt Accession #	Q9UNE7; O60526; Q969U2; Q9HBT1; A2IDB9
Molecular Weight	27,067 Da
NCBI Official Full Name	E3 ubiquitin-protein ligase CHIP isoform b
NCBI Official Synonym Full Names	STIP1 homology and U-box containing protein 1
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.