

Datasheet for ABIN7151009
anti-STUB1 antibody (AA 1-48)

3 Images

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Overview

Quantity:	100 µg
Target:	STUB1
Binding Specificity:	AA 1-48
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STUB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human E3 ubiquitin-protein ligase CHIP protein (1-48AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	STUB1
Alternative Name:	STUB1 (STUB1 Products)
Background:	Background: E3 ubiquitin-protein ligase which targets misfolded chaperone substrates towards proteasomal degradation. Collaborates with ATXN3 in the degradation of misfolded chaperone

Target Details

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).

Aliases: Antigen NY CO 7 antibody, Antigen NY-CO-7 antibody, C terminus of Hsp70-interacting protein antibody, Carboxy terminus of Hsp70 interacting protein antibody, Carboxy terminus of Hsp70-interacting protein antibody, Carboxy terminus of Hsp70p interacting protein antibody, CHIP antibody, CHIP_HUMAN antibody, CLL associated antigen KW 8 antibody, CLL-associated antigen KW-8 antibody, E3 ubiquitin protein ligase CHIP antibody, E3 ubiquitin-protein ligase CHIP antibody, Heat shock protein A binding protein 2 (c terminal) antibody, HSPABP2 antibody, NY CO 7 antibody, PP1131 antibody, SDCCAG7 antibody, Serologically defined colon cancer antigen 7 antibody, STIP1 homology and U Box containing protein 1 antibody, STIP1 homology and U box containing protein 1 E3 ubiquitin protein ligase antibody, STIP1 homology and U box-containing protein 1 antibody, STUB 1 antibody, STUB1 antibody, UBOX 1 antibody, UBOX1 antibody

UniProt: [Q9UNE7](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Response to Water Deprivation](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

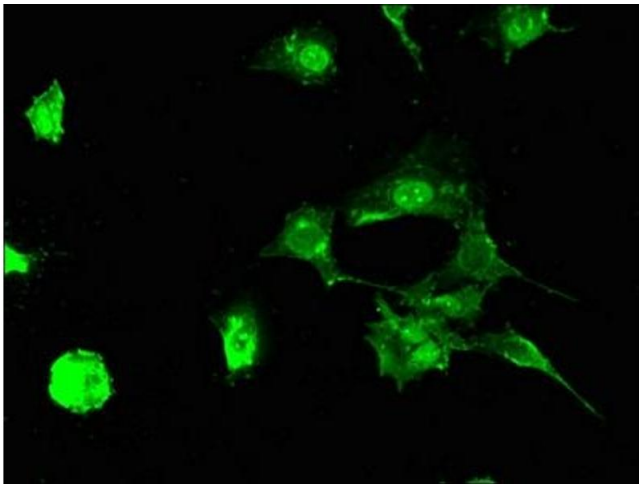
Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300

Handling

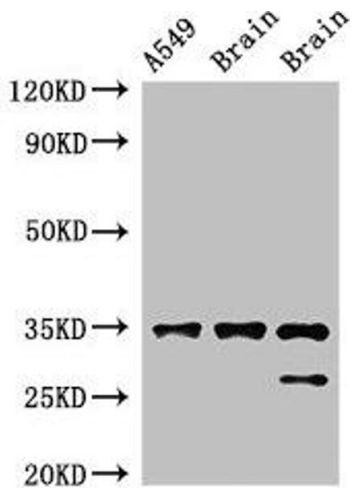
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



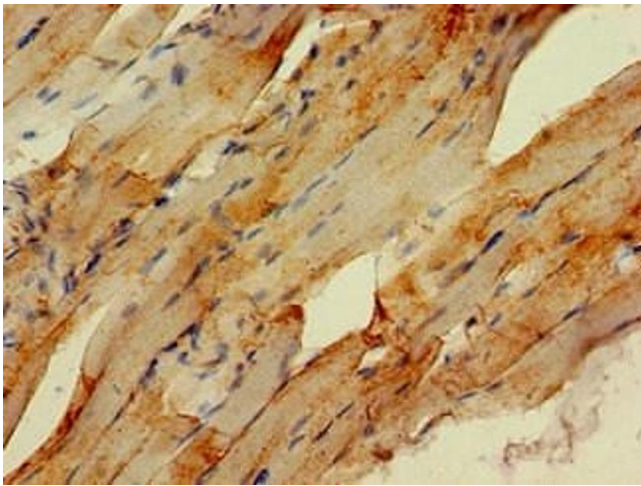
Immunofluorescence

Image 1. Immunofluorescent analysis of MCF-7 cells using ABIN7151009 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: A549 whole cell lysate, Rat brain tissue, Mouse brain tissue All lanes: STUB1 antibody at 2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 35, 28 kDa Observed band size: 35, 28 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using ABIN7151009 at dilution of 1:100