

Rabbit anti-Human, Mouse UBR1 Polyclonal Antibody | anti-UBR1 antibody

UBR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324700	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

UBR1; Polyclonal Antibody; UBR1 Antibody; E3 ubiquitin-protein ligase UBR1; JBS; N-recoglin-1; ubiquitin protein ligase E3 component n-recoglin 1; Ubiquitin-protein ligase E3-alpha-1; Ubiquitin-protein ligase E3-alpha-I; UBR1_HUMAN; anti-UBR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	UBR1 antibody detects endogenous levels of total UBR1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1749
Applicable Applications for anti-UBR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm > Cytosol.
Tissue Specificity	Broadly expressed, with highest levels in skeletal muscle, kidney and pancreas. Present in acinar cells of the pancreas (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (90%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324700 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using UBR1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-UBR1 antibody

Function: E3 ubiquitin-protein ligase which is a component of the N-end rule pathway. Recognizes and binds to proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation. May be involved in pancreatic homeostasis. Binds leucine and is a negative regulator of the leucine-mTOR signaling pathway, thereby controlling cell growth.

Subunit Structure: Interacts with RECQL4.

Similarity: The RING-H2 zinc finger is an atypical RING finger with a His ligand in place of the fourth Cys of the classical motif. The UBR-type zinc finger forms a pocket that mediates recognition of type 1 N-degrons. It exhibits preference for Arginine in first position, has poor affinity for histidine, and doesn't bind acetylated peptides. Belongs to the UBR1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28372497
NCBI GeneID	197131
NCBI Accession #	NP_777576.1
NCBI GenBank Nucleotide #	NM_174916.2
UniProt Accession #	Q8IWW7; O60708; O75492; Q14D45; Q68DN9; Q8IWW6; Q96JY4
Molecular Weight	Observed: 36 kD Predicted: 201 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase UBR1
NCBI Official Synonym Full Names	ubiquitin protein ligase E3 component n-recognin 1
NCBI Official Symbol	UBR1
NCBI Official Synonym Symbols	JBS
NCBI Protein Information	E3 ubiquitin-protein ligase UBR1
UniProt Protein Name	E3 ubiquitin-protein ligase UBR1
UniProt Gene Name	UBR1

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://stage.aaabiotech.com/polyclonal/ubr1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324700>