

Rabbit Uba5 Polyclonal Antibody | anti-Uba5 antibody

Uba5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322644	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Uba5; Polyclonal Antibody; Uba5 Antibody; 5730525G14Rik; AW240750; FLJ23251; FLJ23251UBA5; MGC105565; ThiFP1; UBA5; UBA5 ubiquitin activating enzyme E1 homolog; UBA5_HUMAN; UBE1DC; UBE1DC1; Ubiquitin activating enzyme 5; Ubiquitin activating enzyme E1 domain containing 1; Ubiquitin activating enzyme E1 domain containing protein 1; Ubiquitin like modifier activating enzyme 5; Ubiquitin-activating enzyme 5; Ubiquitin-activating enzyme E1 domain-containing protein 1; Ubiquitin-like modifier-activating enzyme 5; UFM1 activating enzyme; UFM1-activating enzyme; anti-Uba5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Uba5 antibody detects endogenous levels of total Uba5
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	348
Applicable Applications for anti-Uba5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Uba5
Subcellular Location	Cytoplasm. Nucleus. Localizes mainly in cytoplasm, while it mainly localizes to the nucleus in presence of SUMO2.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (89%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (89%), Chicken (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322644 staining HepG2 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) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis Uba5 using HepG2 whole cell lysates



WB (Western Blot)

Western blot analysis of extracts from mouse brain, using Uba5 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Uba5 antibody

Function: E1-like enzyme which activates UFM1 and SUMO2.
Subunit Structure: Interacts (via C-terminus) with UFC1 (PubMed:17825256). Interacts with UFM1 (PubMed:26872069).
Similarity: Belongs to the ubiquitin-activating E1 family. UBA5 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	995970191
NCBI GeneID	79876
NCBI Accession #	NP_001307139.1
NCBI GenBank Nucleotide #	NM_001320210.1
UniProt Accession #	Q9GZZ9; Q96ST1; A6NJL3; D3DNC8
Molecular Weight	Observed: 45 kDa Predicted: 45 kDa
NCBI Official Full Name	ubiquitin-like modifier-activating enzyme 5 isoform 2
NCBI Official Synonym Full Names	ubiquitin like modifier activating enzyme 5
NCBI Official Symbol	UBA5
NCBI Official Synonym Symbols	EIEE44; SCAR24; THIFP1; UBE1DC1
NCBI Protein Information	ubiquitin-like modifier-activating enzyme 5
UniProt Protein Name	Ubiquitin-like modifier-activating enzyme 5
UniProt Gene Name	UBA5
UniProt Synonym Gene Names	UBE1DC1; Ubiquitin-activating enzyme 5

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.