

Rabbit anti-Human UBA1/7 Monoclonal Antibody | anti-UBA1 antibody

UBA1/7 Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283087	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

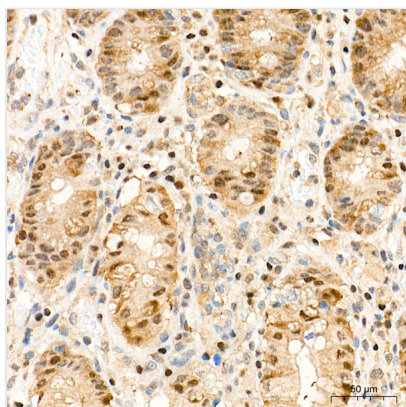
PRODUCT SYNONYMS

UBA1/7; Monoclonal Antibody; UBA1/7 Rabbit PolymAb; A1S9; A1ST; GXP1; UBE1; A1S9T; AMCX1; POC20; SMAX2; UBA1A; UBE1X; VEXAS; CFAP124; anti-UBA1 antibody

PRODUCT SPECIFICATIONS

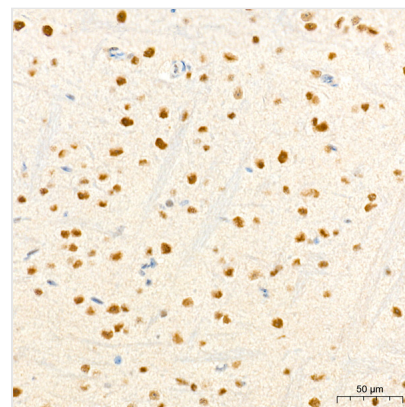
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	EVQGLQPNGE EMTLKQFLDY FKTEHKLEIT MLSQGVSMY SFFMPAAKLK ERLDQPMTEI VSRVSKRKLGRHVRALVLEL CCNDESGEDV EVPYVRYTIR
Applicable Applications for anti-UBA1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 959-1058 of human UBA1/7 (P22314).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



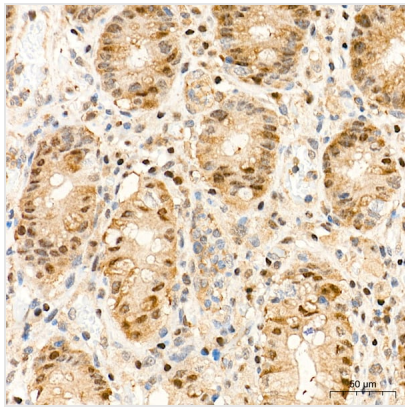
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Human colon cancer tissue using UBA1/7 Rabbit PolymAb® (AAA283087, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



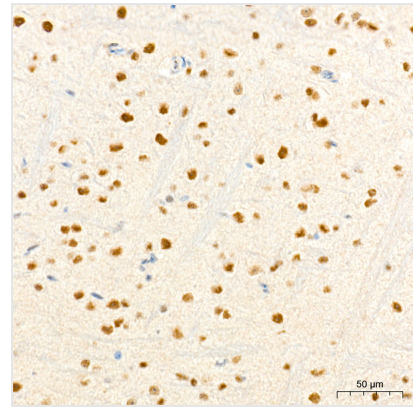
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using UBA1/7 Rabbit PolymAb® (AAA283087) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



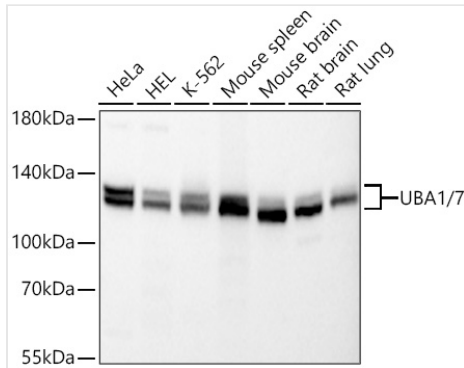
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using UBA1/7 Rabbit PolymAb® (AAA283087) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using UBA1/7 Rabbit PolymAb® (AAA283087) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using UBA1/7 Rabbit PolymAb® (AAA283087) at 1:1000 dilution incubated overnight at 4°. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-UBA1 antibody	The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the same protein have been described.
Product Categories/Family for anti-UBA1 antibody	Epigenetics Nuclear Signaling ; RNA Binding ; Cell Biology Developmental Biology ; Ubiquitin ; Ubiquitin-Proteasome Signaling Pathway ; Neuroscience ; Neurodegenerative Diseases ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	24418865
NCBI GeneID	7317/7318
UniProt Accession #	P22314 ; P41226
Molecular Weight	Calculated MW: 118kDa/112kDa Observed MW: 110-118kDa
UniProt Protein Name	Ubiquitin-like modifier-activating enzyme 1
UniProt Gene Name	UBA1
UniProt Synonym Gene Names	A1S9T; UBE1
UniProt Entry Name	UBA1_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://stage.aaabiotech.com/monoclonal/uba1-7-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283087>