

Rabbit anti-Mouse FAT10 Polyclonal Antibody | anti-UBD antibody

FAT10 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285266	Rabbit	Mouse	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

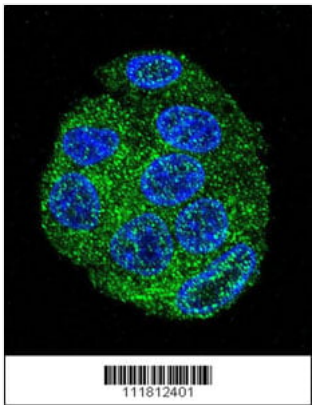
PRODUCT SYNONYMS

FAT10; Polyclonal Antibody; FAT10 Antibody (C-term); Ubiquitin D; Diubiquitin; Ubiquitin-like protein FAT10; UBD; anti-UBD antibody

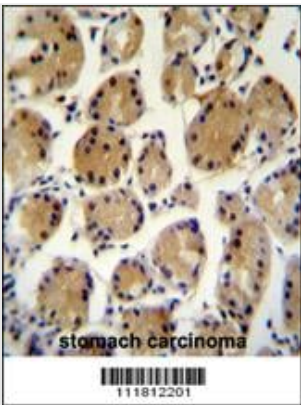
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FAT10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 120-153 amino acids from the C-terminal region of human FAT10.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	120-153
Sequence Length	165
Applicable Applications for anti-UBD antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Ubiquitin-like protein modifier which can be covalently attached to target protein and subsequently leads to their degradation by the 26S proteasome, in a NUB1-dependent manner. Probably functions as a survival factor. Conjugation ability activated by UBA6. Promotes the expression of the proteasome subunit beta type-9 (PSMB9/LMP2). Regulates TNF-alpha-induced and LPS-mediated activation of the central mediator of innate immunity NF-kappa-B by promoting TNF-alpha-mediated proteasomal degradation of ubiquitinated I-kappa-B-alpha. Required for TNF-alpha-induced p65 nuclear translocation in renal tubular epithelial cells (RTECs). May be involved in dendritic cell (DC) maturation, the process by which immature dendritic cells differentiate into fully competent antigen-presenting cells that initiate T-cell responses. Mediates mitotic non-disjunction and chromosome instability, in long-term invitro culture and cancers, by abbreviating mitotic phase and impairing the kinetochore localization of MAD2L1 during the prometaphase stage of the cell cycle. May be involved in the formation of aggresomes when proteasome is saturated or impaired. Mediates apoptosis in a caspase-dependent manner, especially in renal epithelium and tubular cells during renal diseases such as polycystic kidney disease and Human immunodeficiency virus (HIV)-associated nephropathy (HIVAN).
Cellular Location	Nucleus. Cytoplasm Note=Accumulates in aggresomes under proteasome inhibition conditions
Tissue Location	Constitutively expressed in mature dendritic cells and B-cells. Mostly expressed in the reticuloendothelial system (e.g. thymus, spleen), the gastrointestinal system, kidney, lung and prostate gland.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

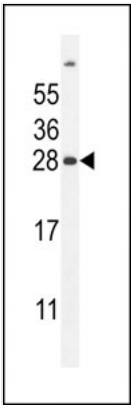
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of FAT10 Antibody (C-term) (AAA285266) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
FAT10 Antibody (C-term) (AAA285266) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FAT10 Antibody (C-term) (AAA285266) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
FAT10 Antibody (C-term) (AAA285266) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the hFAT10 antibody detected the hFAT10 protein (arrow).

ADDITIONAL INFORMATION

Product Categories/Family for anti-UBD antibody	Cell Biology; Immunology; Microbiology; Signal Transduction
References	Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010) Frank, B., et al. Int. J. Cancer (2010) In press : Gong, P., et al. J. Am. Soc. Nephrol. 21(2):316-326(2010) Castellanos-Rubio, A., et al. Hum. Immunol. 71(1):96-99(2010) Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	222352096
NCBI GeneID	10537
NCBI Accession #	NP_006389.2
NCBI GenBank Nucleotide #	NM_006398.3
UniProt Accession #	O15205; Q5STL2; Q5SUK2; Q96EC7; B0UZF6
NCBI Official Full Name	ubiquitin D

NCBI Official Synonym Full Names	ubiquitin D
NCBI Official Symbol	UBD
NCBI Official Synonym Symbols	FAT10; UBD-3; GABBR1
NCBI Protein Information	ubiquitin D
UniProt Protein Name	Ubiquitin D
UniProt Gene Name	UBD
UniProt Synonym Gene Names	FAT10
UniProt Entry Name	UBD_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/polyclonal/fat10-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/285266>