



Product datasheet

Anti-FAT10 antibody ab192581

1 References

Overview

Product name	Anti-FAT10 antibody
Description	Rabbit polyclonal to FAT10
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant full length protein corresponding to Human FAT10 aa 1-165. Sequence:</p> <p>MAPNASCLCVHVRSEEWDLMTFDANPYDSVKKIKEH VRSTKVPVQDQVL LLGSKILKPRRSLSSYGIDKEKTIHLTLKVVKPSDEELPL FLVESGDEAK RHLLQVRRSSSVAQVKAMIEKTGIIIPETQIVTCNGKRL EDGKMMADYGI RKGNULLFLACYCIGG</p> <p>Database link: O15205</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>Preservative: 0.1% Sodium azide Constituents: 49% PBS, 50% Glycerol</p>
Purity	Immunogen affinity purified
Purification notes	ab192581 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab192581** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 18 kDa.

Target

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 NUB1L-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-Ikappa-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 in vitro 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).
Tissue specificity	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.
Sequence similarities	Contains 2 ubiquitin-like domains.
Post-translational modifications	Can be acetylated.
Cellular localization	Nucleus. Cytoplasm. Accumulates in aggresomes under proteasome inhibition conditions.

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