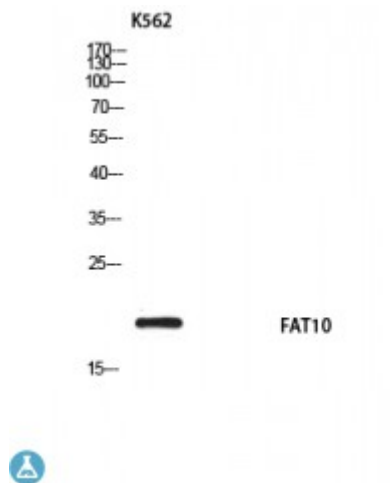


## Anti-FAT10 antibody



<b>Description</b>	Rabbit polyclonal to FAT10.
<b>Model</b>	STJ97631
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA, WB
<b>Immunogen</b>	Synthesized peptide derived from human FAT10.
<b>Immunogen Region</b>	Internal
<b>Gene ID</b>	<a href="#">10537</a>
<b>Gene Symbol</b>	<a href="#">UBD</a>
<b>Dilution range</b>	WB 1:500-1:2000ELISA 1:10000
<b>Specificity</b>	FAT10 Polyclonal Antibody detects endogenous levels of FAT10 protein.
<b>Tissue Specificity</b>	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.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Ubiquitin D Diubiquitin Ubiquitin-like protein FAT10
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated

<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:18795</a> <a href="#">OMIM:606050</a>
<b>Alternative Names</b>	Ubiquitin D Diubiquitin Ubiquitin-like protein FAT10
<b>Function</b>	<p>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-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 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).</p>
<b>Cellular Localization</b>	Nucleus Cytoplasm. Accumulates in aggresomes under proteasome inhibition conditions.
<b>Post-translational Modifications</b>	Can be acetylated.