Ubiquitin D Rabbit mAb

Catalog No: #49304

Package Size: #49304-1 50ul #49304-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

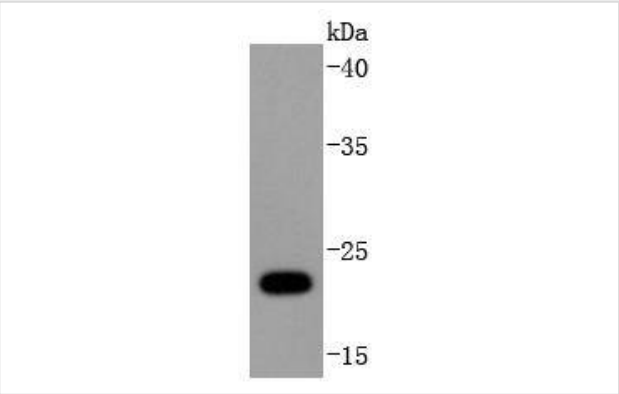
Description

Product Name	Ubiquitin D Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JJ084-09
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Diubiquitin antibody FAT10 antibody GABBR1 antibody UBD 3 antibody Ubd antibody UBD_HUMAN antibody Ubiquitin D antibody Ubiquitin like protein FAT10 antibody Ubiquitin-like protein FAT10 antibody
Accession No.	Swiss-Prot#:O15205
Calculated MW	18 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

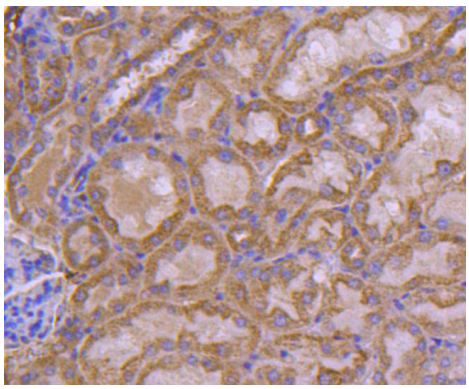
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:100-1:500

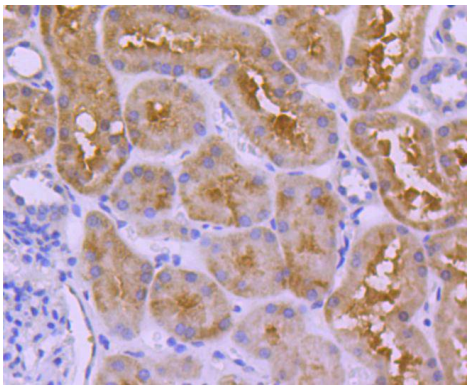
Images



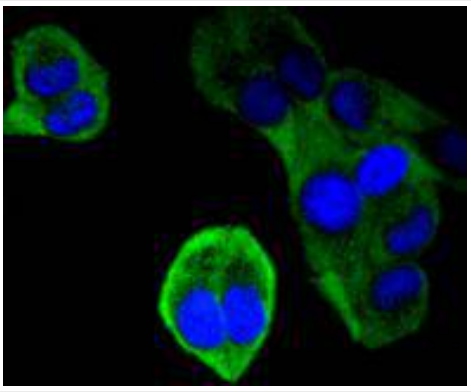
Western blot analysis of Ubiquitin D on Hela cells lysates using anti-Ubiquitin D antibody at 1/1,000 dilution.



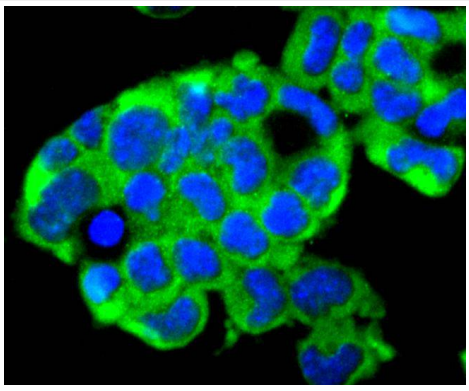
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Ubiquitin D antibody. Counter stained with hematoxylin.



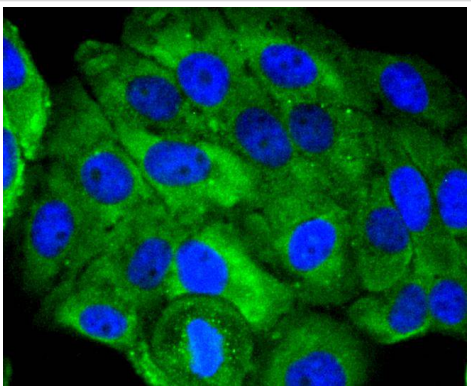
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Ubiquitin D antibody. Counter stained with hematoxylin.



ICC staining Ubiquitin D in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Ubiquitin D in F9 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Ubiquitin D in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

FAT10, also designated Ubiquitin D or Diubiquitin, is a 165 amino acid protein encoded in the major histocompatibility complex (MHC) that consists of two domains which share significant homology with ubiquitin. Each domain contains two cysteines, along with a free C-terminal diglycine motif required for FAT10 conjugate formation. FAT10 is inducible by interferon-g and tumor necrosis factor a (TNF?). The FAT10 protein interacts with MAD2, a component of the spindle checkpoint, and plays a role in antigen presentation, cytokine response, apoptosis and mitosis. It may also regulate cell growth during dendritic cell or B cell activation and development. FAT10 mRNA is expressed mainly in some dendritic cells and lymphoblastoid lines and in other specific cells subsequent to interferon-g induction. The human FAT10 gene, designated UBD, maps to chromosome 6p21.3 and is overexpressed in the tumors of various epithelial cancers.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.