Datasheet for ABIN3042826

anti-UBD antibody (N-Term)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	UBD
Binding Specificity:	AA 27-40, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Ubiquitin D(UBD) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Diubiquitin(27-40aa YDSVKKIKEHVRSK), different from the related mouse and rat sequences by five amino acids.
Sequence:	YDSVKKIKEH VRSK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Ubiquitin D(UBD) detection. Tested with WB, IHC-P in Human. Gene Name: ubiquitin D Protein Name: Ubiquitin D

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Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	UBD
Alternative Name:	UBD (UBD Products)
Background:	Ubiquitin D, also called UBD or FAT10 is a protein that in humans is encoded by the UBD gene. This gene is mapped to 6p22.1. Ubiquitin-like protein modifier can be covalently attached to target protein and subsequently leads to their degradation by the 26S proteasome in a NUB1L-dependent manner. This gene 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. It may be involved in the formation of aggresomes when proteasome is saturated or impaired. This gene 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). It probably functions as a survival factor. Synonyms: Diubiquitin antibody|FAT10 antibody|UBD 3 antibody|Ubd antibody|UBD_HUMAN antibody|Ubiquitin D antibody|Ubiquitin like protein FAT10 antibody|Ubiquitin-like protein FAT10 antibody
UniProt:	O15205
Pathways:	Ubiquitin Proteasome Pathway

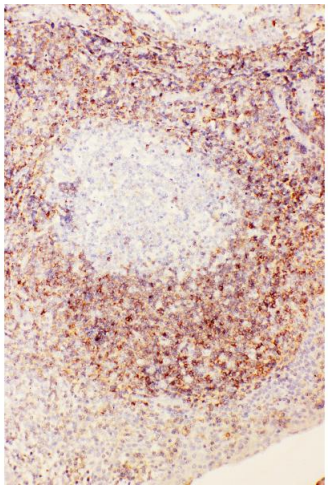
Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-Diubiquitin antibody, IHC(P) IHC(P): Human Tonsil Tissue

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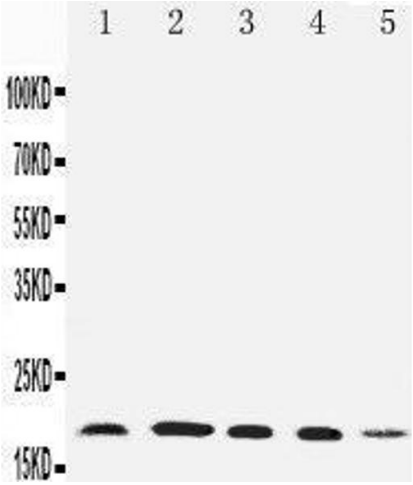
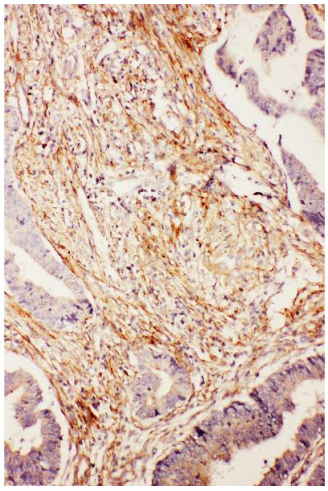


Western Blotting

Image 2. Anti-Diubiquitin antibody, Western blotting Lane 1: HELA Cell Lysate Lane 2: SKOV Cell Lysate Lane 3: MCF-7 Cell Lysate Lane 4: A549 Cell Lysate Lane 5: SMMC Cell Lysate



Immunohistochemistry

Image 3. Anti-Diubiquitin antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue

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