

Datasheet for ABIN969573
anti-Ubiquitin B antibody

4 Images

2 Publications

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Overview

Quantity:	0.1 mg
Target:	Ubiquitin B (UBB)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ubiquitin B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human UBB expressed in E. coli.
Clone:	3C12
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Ubiquitin B (UBB)
Alternative Name:	UBB (UBB Products)
Background:	Description: This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin is required for ATP-dependent, nonlysosomal intracellular protein degradation of abnormal proteins and normal proteins with a rapid turnover. Ubiquitin is covalently bound to proteins to be degraded, and presumably labels these proteins for degradation. Ubiquitin also binds to

Target Details

histone H2A in actively transcribed regions but does not cause histone H2A degradation, suggesting that ubiquitin is also involved in regulation of gene expression. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. Aberrant form of this protein has been noticed in patients with Alzheimer's and Down syndrome.

Aliases: UBC, UBA52, RPS27A

Molecular Weight: 26 kDa

Gene ID: 7314

HGNC: 7314

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Toll-Like Receptors Cascades](#), [Synthesis of DNA](#), [Autophagy](#), [EGFR Downregulation](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

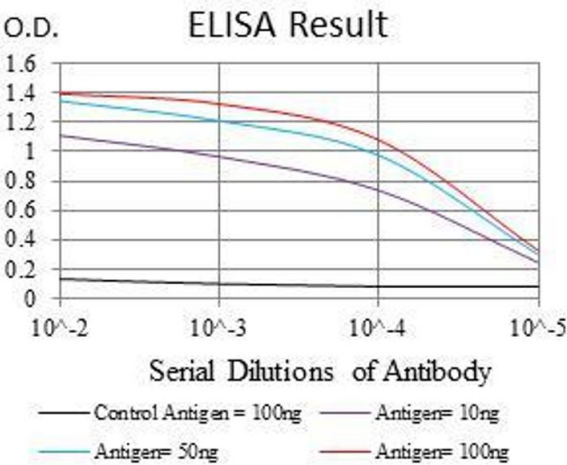
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Li, Xia, Huang, Chen, Su, Li, Wang, Ding, Shao: "A strategy to rapidly identify the functional targets of microRNAs by combining bioinformatics and mRNA cytoplasmic/nucleic ratios in

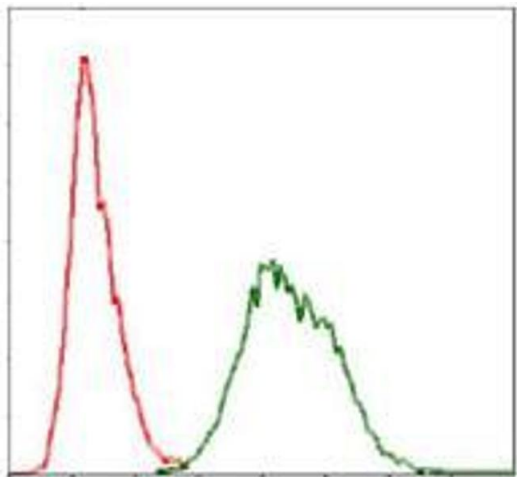
culture cells." in: **FEBS letters**, Vol. 584, Issue 14, pp. 3198-202, (2010) ([PubMed](#)).

Images



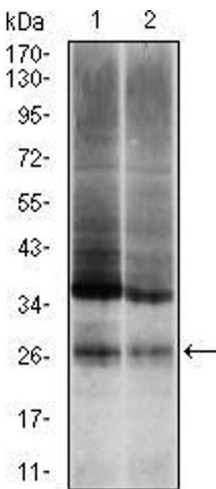
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of Hela cells using UBB mouse mAb (green) and negative control (red).



Western Blotting

Image 3. Western blot analysis using UBB mouse mAb against NIH/3T3 (1) and Hela (2) cell lysate.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN969573.