

For Research Use Only

# UBE4B Recombinant antibody

Catalog Number: 85332-2-RR



## Basic Information

Catalog Number:

85332-2-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12836

GenBank Accession Number:

BC093696

GeneID (NCBI):

10277

UNIPROT ID:

O95155

Full Name:

ubiquitination factor E4B (UFD2 homolog, yeast)

Calculated MW:

1173 aa, 133 kDa

Observed MW:

140-146 kDa

Purification Method:

Protein A purification

CloneNo.:

242218E4

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells, HEK-293T cells, K-562 cells, Raji cells, RAW 264.7 cells, rat testis tissue

IF/ICC : HeLa cells,

## Background Information

UBE4B (Ubiquitin Conjugation E4 B) is a protein-coding gene that plays a crucial role in the ubiquitination process, which is essential for protein degradation and regulation of various cellular processes. UBE4B functions as both an E3 and E4 ubiquitin ligase. It collaborates with other ubiquitin ligases to catalyze the transfer of ubiquitin molecules to target proteins, leading to their degradation or other intracellular sorting events. For example, UBE4B has been shown to ubiquitinate and degrade proteins such as Ku70, c-FLIP, and p53. It also interacts with the E3 ubiquitin ligase ITCH to induce polyubiquitination and proteasomal degradation of target proteins.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

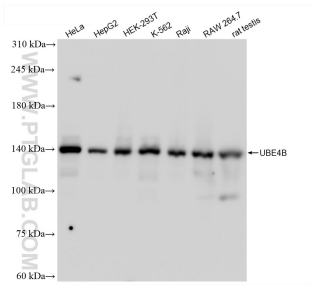
For technical support and original validation data for this product please contact:

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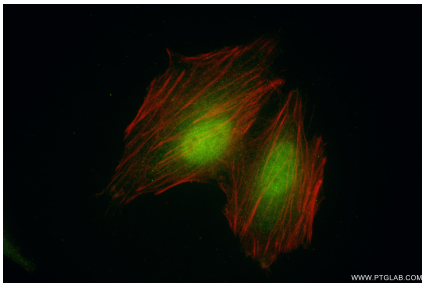
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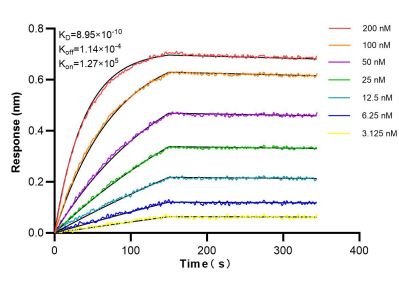
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85332-2-RR (UBE4B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using UBE4B antibody (85332-2-RR, Clone: 242218E4 ) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 85332-2-RR against Human UBE4B were performed. The affinity constant is 0.895 nM.