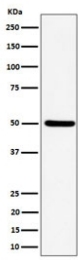
UBA3 Antibody / Ubiquitin-activating enzyme 3 / UBE1C [clone 28U91] (RQ8574)

Catalog No.	Formulation	Size
RQ8574	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	28U91
Purity	Affinity chromatography
UniProt	Q8TBC4
Applications	Western blot: 1:500-1:2000
Limitations	This UBA3 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with UBA3 antibody. Predicted molecular weight ~52 kDa.

Description

NEDD8-activating enzyme E1 catalytic subunit (UBA3) is the catalytic subunit of the dimeric UBA3-NAE1 E1 enzyme. E1 activates NEDD8 by first adenylating its C-terminal glycine residue with ATP, thereafter linking this residue to the side chain of the catalytic cysteine, yielding a NEDD8-UBA3 thioester and free AMP. E1 finally transfers NEDD8 to the catalytic cysteine of UBE2M. Down-regulates steroid receptor activity. Necessary for cell cycle progression. [UniProt]

Application Notes

Optimal dilution of the UBA3 antibody should be determined by the researcher.

Immunogen

A synthetic peptide from human NEDD8-activating enzyme E1 catalytic subunit protein was used as the immunogen for the UBA3 antibody.

Storage

Store the UBA3 antibody at -20oC.

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