

UBE1C Polyclonal Antibody | anti-UBE1C antibody

Anti-UBE1C Antibody

CATALOG # AAA46250	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

UBE1C; Polyclonal Antibody; Anti-UBE1C Antibody; NEDD8-activating enzyme E1 catalytic subunit; DKFZp566J164; EC 6.3.2.; hUba3; MGC22384; NEDD8 activating enzyme E1 catalytic subunit; NEDD8 activating enzyme E1C; Nedd8 activating enzyme hUba3; NEDD8-activating enzyme E1C; uba3; UBA3 ubiquitin activating enzyme E1 homolog; UBA3_HUMAN; Ubiquitin activating enzyme 3; Ubiquitin activating enzyme E1C; Ubiquitin-activating enzyme 3; Ubiquitin-activating enzyme E1C; Ubiquitin-like modifier-activating enzyme 3; ubiquitin-like modifier activating enzyme 3; anti-UBE1C antibody

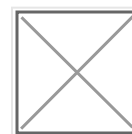
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	463
Applicable Applications for anti-UBE1C antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human UBE1C (409-448aa KNRTLYLQSVTSIEERTRPNLSKTLKELGLVDGQELAVAD), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

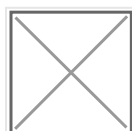
IMAGES


IHC (Immunohistochemistry)

Anti- UBE1C Picoband antibody, AAA46250,IHC(P)IHC(P): Rat Testis Tissue


IHC (Immunohistochemistry)

Anti- UBE1C Picoband antibody, AAA46250,IHC(P)IHC(P): Mouse Testis Tissue


WB (Western Blot)

Anti- UBE1C Picoband antibody, AAA46250, Western blotting
All lanes: Anti UBE1C (AAA46250) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: HELA Whole Cell Lysate at 40ug
Predicted bind size: 52KD
Observed bind size: 52KD

ADDITIONAL INFORMATION

Related Product Information for anti-UBE1C antibody	Description: Rabbit IgG polyclonal antibody for NEDD8-activating enzyme E1 catalytic subunit(UBA3) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: NEDD8-activating enzyme E1 catalytic subunit is a protein that in humans is encoded by the UBA3 gene. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, an ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
References	1. "Entrez Gene: UBE1C ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)". 2. Bohnsack, R. N., Haas, A. L. Conservation in the mechanism of Nedd8 activation by the human AppBp1-Uba3 heterodimer. J. Biol. Chem. 278: 26823-26830, 2003. 3. Osaka F, Kawasaki H, Aida N, Saeki M, Chiba T, Kawashima S, Tanaka K, Kato S (August 1998). "A new NEDD8-ligating system for cullin-4A". Genes Dev 12 (15): 2263-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38045942
NCBI GeneID	9039
NCBI Accession #	NP_003959.3
NCBI GenBank Nucleotide #	NM_003968.3
UniProt Accession #	Q8TBC4; O76088; Q9NTU3; A6NLB5; A8K027
Molecular Weight	50,072 Da
NCBI Official Full Name	NEDD8-activating enzyme E1 catalytic subunit isoform 1
NCBI Official Synonym Full Names	ubiquitin like modifier activating enzyme 3
NCBI Official Symbol	UBA3
NCBI Official Synonym Symbols	NAE2; UBE1C; hUBA3
NCBI Protein Information	NEDD8-activating enzyme E1 catalytic subunit
UniProt Protein Name	NEDD8-activating enzyme E1 catalytic subunit
UniProt Gene Name	UBA3
UniProt Synonym Gene Names	UBE1C; Ubiquitin-activating enzyme 3
UniProt Entry Name	UBA3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.