

Rabbit UBE1C Polyclonal Antibody | anti-UBA3 antibody

UBE1C Antibody (C-term)

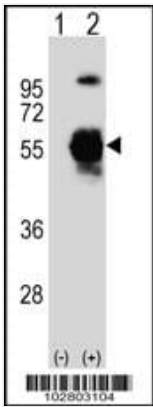
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288714	Rabbit	Human, mouse (Predicted Reactivity: Zebrafish, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

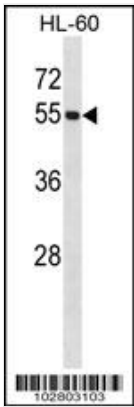
UBE1C; Polyclonal Antibody; UBE1C Antibody (C-term); NEDD8-activating enzyme E1 catalytic subunit; 632-; NEDD8-activating enzyme E1C; Ubiquitin-activating enzyme E1C; Ubiquitin-like modifier-activating enzyme 3; Ubiquitin-activating enzyme 3; UBA3; anti-UBA3 antibody

PRODUCT SPECIFICATIONS

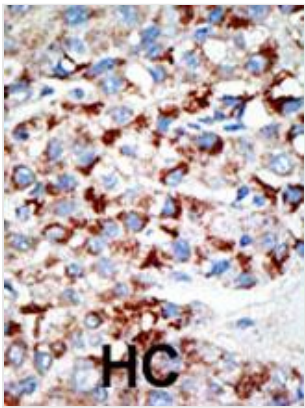
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Zebrafish, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This UBE1C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 415-445 amino acids from the C-terminal region of human UBE1C.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	415-445
Sequence Length	463
Applicable Applications for anti-UBA3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



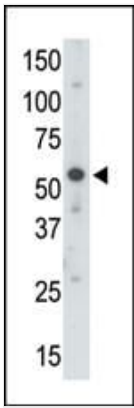
WB (Western Blot)
Western blot analysis of UBE1C (arrow) using rabbit polyclonal UBE1C Antibody (S430). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the UBE1C gene.



WB (Western Blot)
UBE1C Antibody (S430) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the UBE1C antibody detected the UBE1C protein (arrow).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
The anti-UBE1 C-term Pab is used in Western blot to detect UBE1 in mouse brain tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-UBA3 antibody	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, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Product Categories/Family for anti-UBA3 antibody	Cell Biology
References	Bohnsack, R.N., et al., J. Biol. Chem. 278(29):26823-26830 (2003). Walden, H., et al., Nature 422(6929):330-334 (2003). Gong, L., et al., J. Biol. Chem. 274(17):12036-12042 (1999). Gubin, A.N., et al., Genomics 59(2):168-177 (1999). Osaka, F., et al., Genes Dev. 12(15):2263-2268 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	38045942
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NCBI GeneID	9039
NCBI Accession #	NP_003959.3; NP_937838.1
NCBI GenBank Nucleotide #	NM_003968.3
UniProt Accession #	Q8TBC4; O76088; Q9NTU3; A6NLB5; A8K027
Molecular Weight	51852
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ube1c-antibody-immunohistochemistry-western-blot-elisa/288714>