

Rabbit UBA3 Polyclonal Antibody | anti-UBA3 antibody

UBA3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327469	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

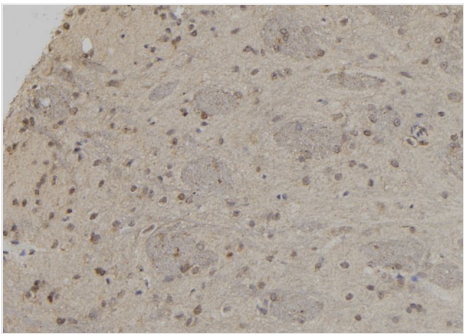
PRODUCT SYNONYMS

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

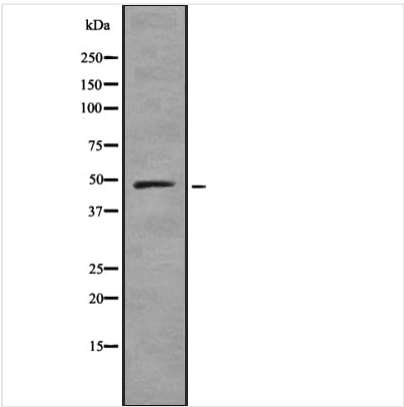
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	UBA3 antibody detects endogenous levels of total UBA3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	463
Applicable Applications for anti-UBA3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human UBA3
Tissue Specificity	Ubiquitously expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (80%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA327469 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis UBA3 using LOVO whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-UBA3 antibody	Function: 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. Subunit Structure: Heterodimer of UBA3 and NAE1. Interacts with NEDD8, UBE2F and UBE2M. Binds ESR1 and ESR2 with bound steroid ligand (By similarity). Interacts with TBATA (By similarity). Similarity: Belongs to the ubiquitin-activating E1 family. UBA3 subfamily.
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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	Observed: 49 kDa Predicted: 52 kDa
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

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.