

Datasheet for ABIN2774233 anti-UBA1 antibody (N-Term)



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Overview

Quantity:	100 µL
Target:	UBA1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human UBA1
Sequence:	MEAGPPGSAR PAEPGPCLSG QRGADHTASA SLQSVAGTEP GRHPQAVAAV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against UBA1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	UBA1
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Target Details

Alternative Name:	UBA1 (UBA1 Products)
Background:	<p>UBA1 activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding an ubiquitin-E1 thioester and free AMP. The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the same protein have been described.</p> <p>Alias Symbols: A1S9, A1S9T, A1ST, GXP1, MGC4781, UBA1A, UBE1, UBE1X, AMCX1, POC20, SMAX2</p> <p>Protein Interaction Partner: USP5, UBE2D2, UBC, FUS, ISG15, UBTD2, HUWE1, UBE2L3, UBE2D1, SUMO2, CDC34, UBE2K, UBE2W, UBE2R2, UBE2J1, UBE2T, UBE2S, UBE2C, UBE2E3, UBE2H, UBE2G2, UBE2G1, UBE2E2, UBE2E1, UBE2D3, UBE2B, UBE2A, UBI4, MDM2, TRIM25, XPNPEP1, EZR, MC1R, IPO5, FH, CTPS1, ATI</p> <p>Protein Size: 1058</p>
Molecular Weight:	116 kDa
Gene ID:	7317
NCBI Accession:	NM_003334 , NP_003325
UniProt:	P22314

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1058 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

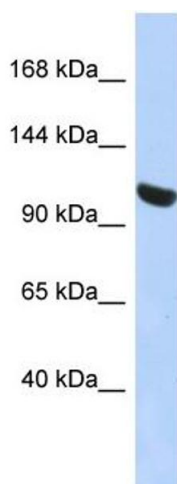
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: Genome research , Vol. 14, Issue 10B, pp. 2121-7, (2004) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-UBA1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: HepG2 cell lysate