

Datasheet

UBA1 polyclonal antibody

Catalog Number: PAB1772

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of UBA1.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human UBA1.

Host: Rabbit

Reactivity: Human, Mouse

Applications: IHC-P, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Purification: Protein G purification

Recommend Usage: Western Blot (1:1000)
Immunohistochemistry (1:50-100)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7317

Gene Symbol: UBA1

Gene Alias: A1S9, A1S9T, A1ST, AMCX1, GXP1, MGC4781, SMAX2, UBA1A, UBE1, UBE1X

Gene Summary: 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. [provided by RefSeq]

References:

1. Complementation by a cloned human ubiquitin-activating enzyme E1 of the S-phase-arrested mouse FM3A cell mutant with thermolabile E1. Ayusawa D, Kaneda S, Itoh Y, Yasuda H, Murakami Y, Sugawara K, Hanaoka F, Seno T. Cell Struct Funct. 1992 Apr;17(2):113-22.
2. Human ubiquitin-activating enzyme (E1): compensation for heat-labile mouse E1 and its gene localization on the X chromosome. Kudo M, Sugawara K, Hori T, Enomoto T, Hanaoka F, Ui M. Exp Cell Res. 1991 Jan;192(1):110-7.
3. Molecular cloning, sequence, and tissue distribution of the human ubiquitin-activating enzyme E1. Handley PM, Mueckler M, Siegel NR, Ciechanover A, Schwartz AL. Proc Natl Acad Sci U S A. 1991 Jan 1;88(1):258-62.