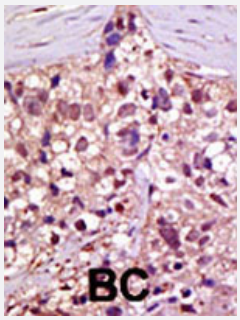
UBA1 polyclonal antibody

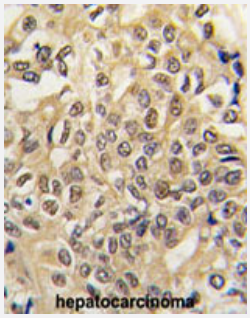
Catalog # PAB1772 Size 400 uL

Applications



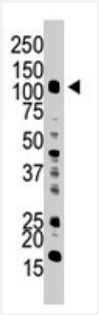
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with UBA1 polyclonal antibody (Cat # PAB1772) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma reacted with UBA1 polyclonal antibody (Cat # PAB1772) , 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.



Western Blot (Cell lysate)

The UBA1 polyclonal antibody (Cat # PAB1772) is used in Western blot to detect UBA1 in HL-60 cell lysate.

Specification

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.

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Host	Rabbit
Reactivity	Human, Mouse
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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — UBA1

Entrez GeneID	7317
Protein Accession#	UBA1_HUMAN
Gene Name	UBA1
Gene Alias	A1S9, A1S9T, A1ST, AMCX1, GXP1, MGC4781, SMAX2, UBA1A, UBE1, UBE1X

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Gene Description	ubiquitin-like modifier activating enzyme 1
Omim ID	314370
Gene Ontology	Hyperlink
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
Other Designations	A1S9T and BN75 temperature sensitivity complementing|OTTHUMP00000023197|OTTHUMP00000023198|UBA1, ubiquitin-activating enzyme E1 homolog A|ubiquitin-activating enzyme E1

Publication Reference

- 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, Sugasawa K, Hanaoka F, Seno T.

  Cell Structure and Function 1992 Apr; 17(2):113.

- Human ubiquitin-activating enzyme (E1): compensation for heat-labile mouse E1 and its gene localization on the X chromosome.

  Kudo M, Sugasawa K, Hori T, Enomoto T, Hanaoka F, Ui M.

  Experimental Cell Research 1991 Jan; 192(1):110.

- Molecular cloning, sequence, and tissue distribution of the human ubiquitin-activating enzyme E1.

  Handley PM, Mueckler M, Siegel NR, Ciechanover A, Schwartz AL.

  PNAS 1991 Jan; 88(1):258.

Pathway

- Ubiquitin mediated proteolysis

Disease

- Arthritis

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- Genetic Predisposition to Disease
- Hypertension

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