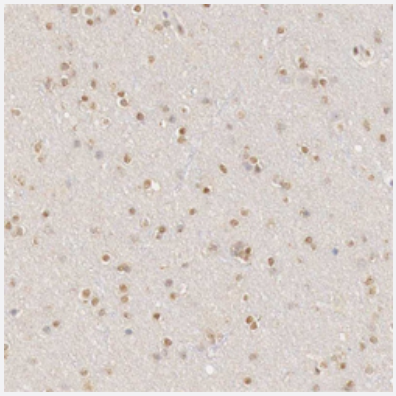
UBA1 polyclonal antibody

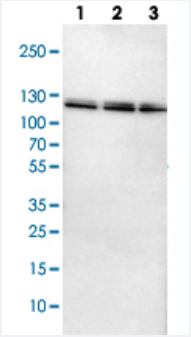
Catalog # PAB29508 Size 100 uL

Applications



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

Immunohistochemical staining of human cerebral cortex with UBA1 polyclonal antibody (Cat # PAB29508) shows distinct nuclear positivity in glial cells.



Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells), Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells), Lane 3: PC12 cell lysate (Pheochromocytoma of rat adrenal medulla) with UBA1 polyclonal antibody (Cat # PAB29508).

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human UBA1.
Immunogen	Recombinant protein corresponding to human UBA1.
Sequence	LAAPRHQYYNQEWTLWDRFEVQGLQPNGEEMTLKQFLDYFKTEHKLEITMLSQGVSMLYSFFMP AAKLKERLDQPMTEIVSRVSKRKLGRHVRALVLELCCNDESGEDVEVP
Host	Rabbit
Reactivity	Human, Mouse, Rat

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Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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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Gene Info — UBA1

Entrez GeneID	7317
Gene Name	UBA1
Gene Alias	A1S9, A1S9T, A1ST, AMCX1, GXP1, MGC4781, SMAX2, UBA1A, UBE1, UBE1X
Gene Description	ubiquitin-like modifier activating enzyme 1
Omim ID	314370
Gene Ontology	Hyperlink

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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

Pathway

- Ubiquitin mediated proteolysis

Disease

- Arthritis
- Genetic Predisposition to Disease
- Hypertension

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