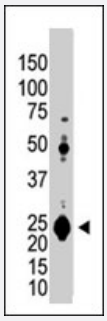
UCHL1 polyclonal antibody

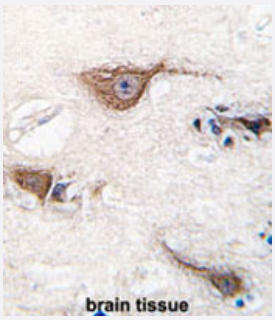
Catalog # PAB3903 Size 400 uL

Applications



Western Blot (Cell lysate)

The UCHL1 polyclonal antibody (Cat # PAB3903) is used in Western blot to detect UCHL1 in Jurkat cell lysate.



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

Formalin-fixed and paraffin-embedded human brainreacted with UCHL1 polyclonal antibody (Cat # PAB3903), 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of UCHL1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human UCHL1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Flow Cytometry (1:10-50) Immunofluorescence (1:10-50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:10-50) Western Blot (1:1000) 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

- Western Blot (Cell lysate)

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- Immunofluorescence

- Flow Cytometry

Gene Info — UCHL1

Entrez GeneID	7345
Protein Accession#	NP_004172;P09936
Gene Name	UCHL1
Gene Alias	PARK5, PGP9.5, Uch-L1
Gene Description	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
Omim ID	168600 191342
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene belongs to the peptidase C12 family. This enzyme is a thiol prot ease that hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. This gene is specifically expressed in the neurons and in cells of the diffuse neuroendocrine system. Mutations in this gene may be associated with Parkinson disease
Other Designations	ubiquitin C-terminal esterase L1|ubiquitin carboxyl-terminal esterase L1|ubiquitin thiolesterase L1

Publication Reference

- UCHL1 Is a Putative Tumor Suppressor in Ovarian Cancer Cells and Contributes to Cisplatin Resistance.

  Jin C, Yu W, Lou X, Zhou F, Han X, Zhao N, Lin B.

  Journal of Cancer 2013 Sep; 4(8):662.

  Application: WB, Human, Ovarian cancer cell lines

- Complex interactions in Parkinson's disease: a two-phased approach.

  Maraganore DM, de Andrade M, Lesnick TG, Farrer MJ, Bower JH, Hardy JA, Rocca WA.

  Movement Disorders 2003 Jun; 18(6):631.

- Alterations of structure and hydrolase activity of parkinsonism-associated human ubiquitin carboxyl-terminal hydrolase L1 variants.

  Nishikawa K, Li H, Kawamura R, Osaka H, Wang YL, Hara Y, Hirokawa T, Manago Y, Amano T, Noda M, Aoki S, Wada K.

  Biochemical and Biophysical Research Communications 2003 Apr; 304(1):176.

- The UCH-L1 gene encodes two opposing enzymatic activities that affect alpha-synuclein degradation and Parkinson's disease susceptibility.

  Liu Y, Fallon L, Lashuel HA, Liu Z, Lansbury PT Jr.

  Cell 2002 Oct; 111(2):209.

Disease

- Alzheimer disease
- Genetic Predisposition to Disease
- Huntington disease
- Movement Disorders
- Multiple System Atrophy

- Parkinson disease
- Parkinsonian Disorders