

Rabbit anti-UCH-L1 (C-term)

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Store at 2 to 8°C (short-term), or -20°C (long-term)

Clonality: Polyclonal
Concentration: 0.25 mg/mL
Quantity: 100 µg
Volume: 400 µL

Host/Class: Rabbit
Reactivity: Human, mouse, and rat

Product Description

Ubiquitin carboxyl-terminal hydrolase L1 (UCH-L1), also known as PGP 9.5, is a neuron- and neuroendocrine-specific protein that plays a role in proteasomal protein degradation, which is critical for neuronal health. UCH-L1 is also involved in p27^{kip1} degradation through its interaction and nuclear translocation with JAB1. This antibody is specific for the ~26 kDa UCH-L1 protein. A faint band of unknown origin may also be observed at ~50 kDa. During development reactivity was confirmed with mouse and rat brain homogenates, NGP neuroblastoma lysates, A549 lung carcinoma lysates, and NCI-H69 lung carcinoma lysates by Western blotting, and with paraffin-embedded human small intestine, the nerves of colon muscle, renal tubules, testis, Parkinson's and Alzheimer's disease brain, and lung and colon cancer tissues. Reactivity has also been confirmed with the neurons and nerve fibers of the central nervous system in paraffin-embedded mouse and rat tissues by immunohistochemistry.

Product Specifications

Immunogen: Synthetic peptide derived from the C-terminal region of human UCH-L1 (ubiquitin carboxyl-terminal hydrolase L1, neuron cytoplasmic protein 9.5, PGP9.5). The selected region is identical to the corresponding mouse, rat, and horse UCH-L1 amino acid sequences.

Clone/PAD: ZMD.339

Lot: See product label

Product Applications

Application	Species	Concentration
ELISA	Immunogen	0.1–1 µg/mL
Western Blotting	Human, rat, and mouse	1–3 µg/mL
Immunohistochemistry (paraffin)*	Human, rat, and mouse	1–2 µg/mL

*For immunohistochemistry with formalin-fixed, paraffin-embedded tissues, heat induced epitope retrieval (HIER) with citrate buffer, pH 6.0, is required prior to staining.

Storage and Handling

Store at 2 to 8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS), pH 7.4, containing 0.1% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.lifetechnologies.com/support.








Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.lifetechnologies.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

For research use only. Not for use in diagnostic procedures.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com

Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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