www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Ubiquitin carboxyl-terminal hydrolase isozyme L1 (PGP9.5) Antibody

Product Details

Available Variants	50 µL (SKU:C-1406-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:500-1:1000
Species Reactivity	Bovine, Human, Mouse, Pig, Rat
Immunogen	Recombinant full length human Ubiquitin C Terminal Hydrolase 1 (UCHL1) purified from E. coli.
Specificity	The specificity of this antibody has been confirmed by WB. This antibody detects ~24 kDa UCHL1 enzyme. Suitable control tissue is rat spinal cord or peripheral nerve homogenate. Hu, rat, Ms, Bov, Por. Predicted to react with other mammalian tissues due to sequence homology.
Molecular Weight	24 kDa
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	P09936

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images

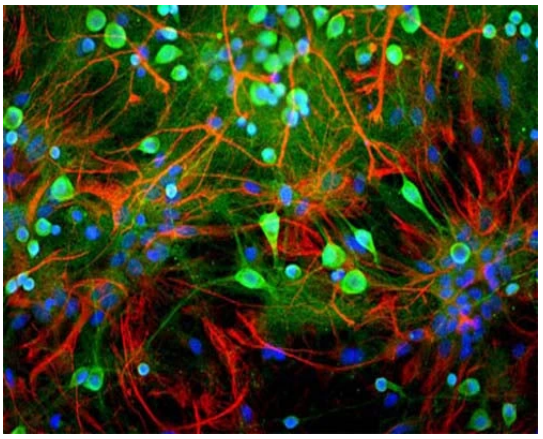
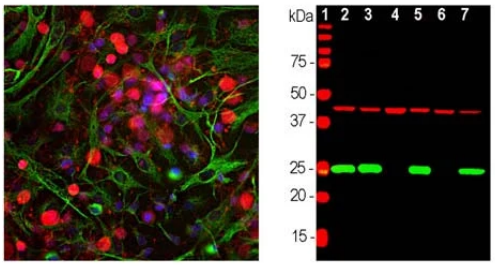


Image shows rat mixed neuron/glial cultures stained with Chicken polyclonal antibody to Ubiquitin C Terminal Hydrolase 1 C-1406-50 (green) and Rabbit polyclonal antibody to Glial Fibrillary Acidic Protein R-1374-50 (red). Blue is a DNA stain. Note that the Ubiquitin antibody stains neurons strongly and specifically and that the staining is concentrated in the cell bodies, though some does extend into the dendrites also.



Left: Analysis of UCHL1 expression in cortical neuron-glial cell culture from E20 rat by **Immunocytochemistry** with chicken antibody to UCHL1 (1:500, red). Cells were co-stained with a mouse antibody to vimentin (green). Blue: DAPI nuclear stain. The UCHL1 antibody produces strong staining of the cell body and dendrites in neurons. The vimentin antibody stains intermediate filaments in fibroblastic and developing glial cells. **Right: Western blot** analysis of tissue and cell lysates using chicken antibody to UCHL1 (1:2,000, green), and a mouse anti-actin antibody (red, lanes 2-7). [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HEK293, [6] HeLa and [7] SH-SY5Y cells. The single band at 24 kDa mark corresponds to UCHL1 protein which is detectable in CNS extracts and lysates of cells with neuronal properties, but not in lysates of HeLa, NIH-3T3 and other non-neuronal cells. Actin is detected with apparent molecular weight of 42 kDa and provides an excellent loading control.