

**RABBIT ANTI-PROTEIN GENE PRODUCT 9.5
(UBIQUITIN C-TERMINAL HYDROLASE)
POLYCLONAL ANTIBODY**

CATALOG NUMBER: AB1761

LOT NUMBER:

QUANTITY: 50 µL

SPECIFICITY: Protein Gene Product 9.5 (PGP9.5, Ubiquitin C-terminal Hydrolase, UCH-L1) is an abundant protein in many tissues, but especially so in neurons where it has been effectively used as a phenotypic marker. PGP9.5 is known to be a member of the ubiquitin C-terminal hydrolase family and immunohistochemical studies have shown that the protein is enriched in several ubiquitinated inclusion bodies, suggesting that such structures may be metabolically dynamic regions of the cell.

IMMUNOGEN: Recombinant human UCH-L1.

APPLICATIONS: Western Blot: 1:1,000 (Indirect immunoperoxidase procedure with overnight incubation in primary antibody at 2-8°C. Detection using ECL procedure, exposure for 1 minute.) Recognizes a 24 kDa protein.
Immunohistochemistry. 1:1,000-1:4,000 on paraformaldehyde fixed cryostat, Vibratome and de-waxed tissue sections using ABC detection method.
Dilute with 50 mM Tris-HCl buffer (pH 7.6) containing 1.5% sodium chloride and 1% normal serum (from the host of your secondary antibody).
Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITIES: Human, rat and mouse. Other species have not been tested.

FORMAT: Rabbit serum

PRESENTATION: Liquid containing 0.01 M sodium azide.

STORAGE/HANDLING: Maintain at -20°C in undiluted aliquots (not less than 10 µL) for up to 12 months. The use of high quality "antiserum-grade" plastic or glass vials is recommended. Avoid repeated freeze/thaw cycles.

REFERENCES:

1. *Biochem. J.* (1990) **268**:521-524.
2. *Clin. Neuropathol.* (1995) **14**:130-136.
3. *J. Pathol.* (1990) **161**:153-160.
4. *Brain Res.* (1983) **278**:224-228.
5. *Science* (1989) **246**:670-673.
6. *Br. J. Exp. Pathol.* (1988) **69**:91-104.
7. LaVoie, M.J., et al., *Nature Medicine* (2005) **11**:1214-1221.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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