



Catalog Number:	MO25010	Host:	Mouse
Product Type:	Monoclonal Antibody	Species Reactivity:	Human, Mouse, Rat, Bovine, Porcine
Immunogen Sequence:	IgG1 Kappa Native UchL1 (PGP9.5) protein from brain was used as immunogen to generate the antibody (Day & Thompson, 1986).	Format:	0.1mg Liquid @ Concentration of 0.2mg/ml PBS with 0.05% BSA 0.5% Sodium Azide

Applications: This antibody is designed for Western Blot.

Western Blot: 2ug/ml- a band is seen at ~110 kDa

Dilutions listed only as a recommendation. Optimal dilution should be determined by investigator.

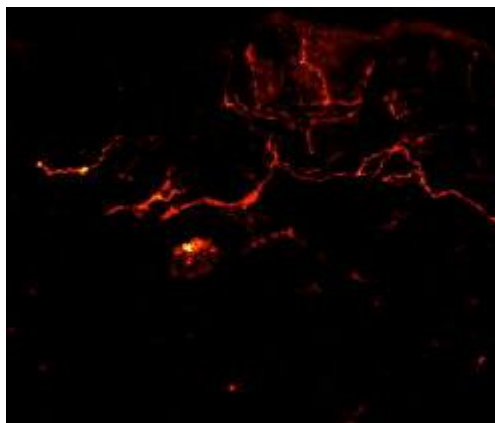
Storage: Store frozen. Aliquot as undiluted antisera and immediately place at -20°C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.

Application Notes

Description/Data:

PGP9.5 is a soluble cytoplasmic protein with a molecular weight of approximately 25,000 kD. It is present in neurons and in cells of the diffuse neuroendocrine system. PGP9.5 functions as a tissue-specific ubiquitin carboxyl terminal hydrolase isoenzyme. This enzyme is also known as UCH-L1. Because of its abundance in nerves, it has been widely used as a marker for peripheral nerve fibers. It was also discovered as a gene mutated in some rare familial forms of Parkinson's disease. Interestingly a common allelic variant of UCHL1, the S18Y polymorphism is actually protective against Parkinson's disease. It is also a marker for cells of the diffuse neuroendocrine system and their tumors.

Customer Testimonial and Image: The PGP mouse that we received from Neuromics works fantastically! I used it at 1:100 with Cy3 at 1:500 and got great staining with good background levels. PGP9.5 staining of Rat Abdominal Tissue. Courtesy of Jamie Nugent (Dr. Marna Ericson's Lab), University of Minnesota.



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