

## PGP9.5 / UchL1 (pan-Neuronal Marker) Antibody

Mouse Monoclonal Antibody [Clone 13C4]

Catalog No	Format	Size
7345-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7345-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7345-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

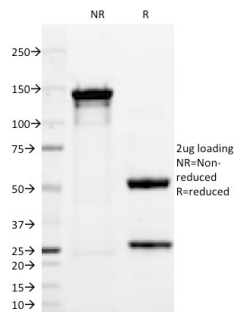
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

### Product Details

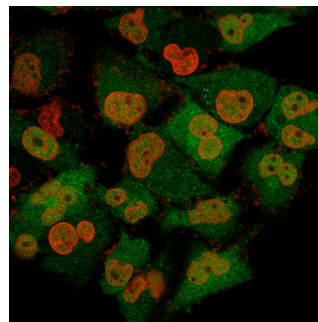
<b>Clone</b>	13C4
<b>Gene Name</b>	UCHL1
<b>Immunogen</b>	Native UchL1 (PGP9.5) protein from brain
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2a / Kappa
<b>Mol. Weight of Antigen</b>	20-30kDa
<b>Cellular Localization</b>	Cytoplasm, Endoplasmic reticulum membrane
<b>Species Reactivity</b>	Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish
<b>Positive Control</b>	human brain, Cerebellum. Mouse Brain, Rat Brain, Guinea pig Brain or Hamster Brain

\*Optimal dilution for a specific application should be determined.

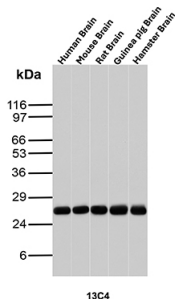
### Product Images for PGP9.5 / UchL1 (pan-Neuronal Marker) Antibody



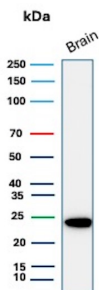
SDS-PAGE Analysis of Purified PGP9.5 / UchL1 Mouse Monoclonal Antibody (13C4). Confirmation of Integrity and Purity of Antibody.



Immunofluorescence Analysis of T98G cells labeling Pgp9.5 with Pgp9.5 / UchL1 Mouse Monoclonal Antibody (13C4) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Nucspot (Red)



Western Blot Analysis of Human Brain, Mouse Brain, Rat Brain, Guinea pig Brain and Hamster Brain tissue lysates using PGP9.5 / UchL1 Mouse Monoclonal Antibody (13C4).



Western blot analysis of human brain tissue lysate using PGP9.5 / UchL1 Mouse Monoclonal Antibody (13C4).

### Specificity & Comments

This MAb reacts with a protein of 20-30kDa, identified as PGP9.5, also known as ubiquitin carboxyl-terminal hydrolase-1 (UchL1). Initially, PGP9.5 expression in normal tissues was reported in neurons and neuroendocrine cells but later it was found in distal renal tubular epithelium, spermatogonia, Leydig cells, oocytes, melanocytes, prostatic secretory epithelium, ejaculatory duct cells, epididymis, mammary epithelial cells, Merkel cells, and dermal fibroblasts. Furthermore, immunostaining for PGP9.5 has been shown in a wide variety of mesenchymal neoplasms as well. A mutation in PGP9.5 gene is believed to cause a form of Parkinson's disease.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Neuroscience