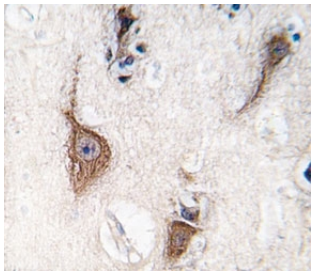
PGP9.5 Antibody (F47951)

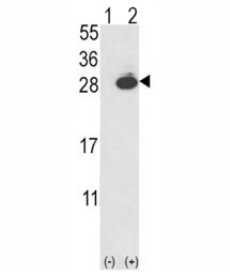
Catalog No.	Formulation	Size
F47951-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47951-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

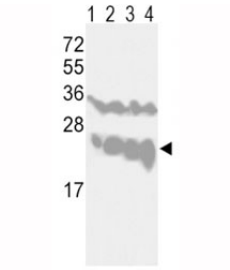
Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Bovine, Pig
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P09936
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This PGP9.5 antibody is available for research use only.



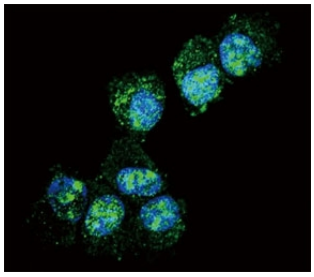
IHC analysis of FFPE human brain tissue stained with PGP9.5 antibody.



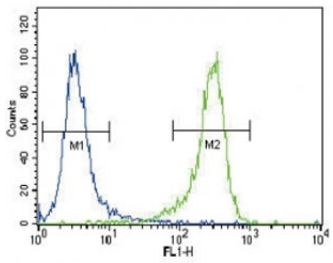
Western blot analysis of PGP9.5 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the UCHL1 gene (2).



Western blot analysis of PGP9.5 antibody and CEM (lane 1), Jurkat (2), Y79 (3) cell lines and mouse brain tissue (4) lysate. Predicted molecular weight ~25 kDa.



Confocal immunofluorescent analysis of PGP9.5 antibody with NCI-H460 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



PGP9.5 antibody flow cytometric analysis of NCI-H460 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

PGP9.5 is a Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity. [UniProt]

Application Notes

Titration of the PGP9.5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 16-46 from the human protein was used as the immunogen for this PGP9.5 antibody.

Storage

Aliquot the PGP9.5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.