

## Anti-PGP9.5 UCHL1 Rabbit Monoclonal Antibody

Catalog Number: M01018-2

### About UCHL1

Activated by icilin, eucalyptol, menthol, cold and modulation of intracellular pH. Involved in menthol sensation. Permeable for monovalent cations sodium, potassium, and cesium and divalent cation calcium.

### Overview

Product Name	Anti-PGP9.5 UCHL1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PGP9.5 UCHL1 Rabbit Monoclonal Antibody catalog # M01018-2. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal AAAC-21
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P09936

### Technical Details

Immunogen	A synthesized peptide derived from human PGP9.5
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:2000

	IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
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## Anti-PGP9.5 UCHL1 Rabbit Monoclonal Antibody (M01018-2) Images

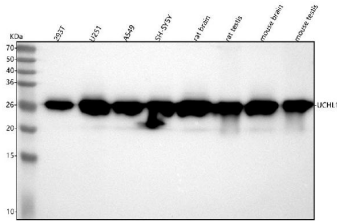
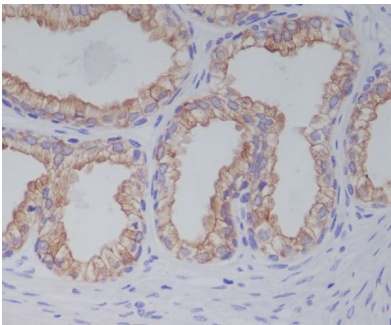


Figure 1. Western blot analysis of PGP95 using anti-PGP95 antibody (M01018-2).

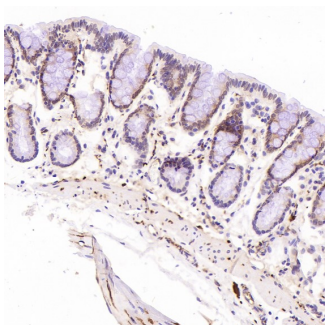
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,  
Lane 2: human U251 whole cell lysates,  
Lane 3: human A549 whole cell lysates,  
Lane 4: human SH-SY5Y whole cell lysates,  
Lane 5: rat brain tissue lysates,  
Lane 6: rat testis tissue lysates,  
Lane 7: mouse brain tissue lysates,  
Lane 8: mouse testis tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PGP95 antigen affinity purified monoclonal antibody (Catalog # M01018-2) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for PGP95 at approximately 25 kDa. The expected band size for PGP95 is at 25 kDa.

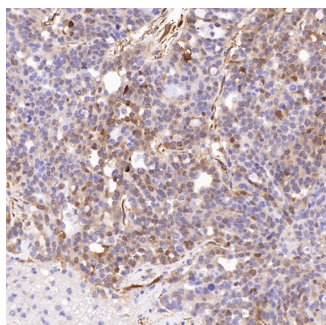
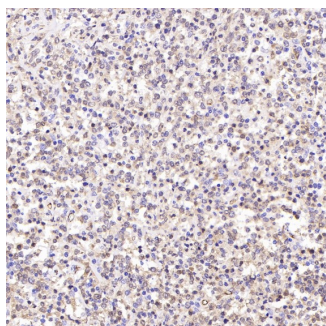


Immunohistochemical analysis of paraffin-embedded human prostate cancer, using PGP9.5 Antibody.

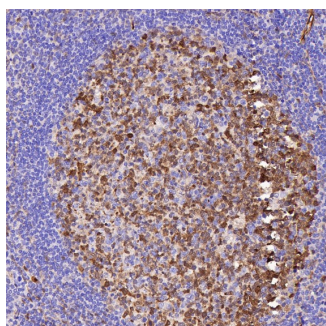


Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody at 1:500 dilution.

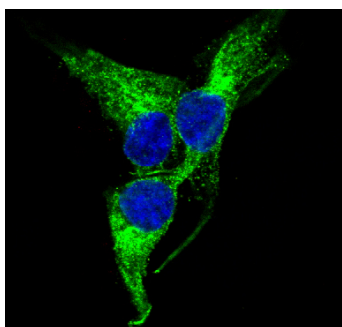
Immunohistochemical analysis of paraffin-embedded Human Hodgkin's Lymphoma, using the Antibody at 1:300 dilution.



Immunohistochemical analysis of paraffin-embedded Human ovarian cancer, using the Antibody at 1:1000 dilution.



Immunohistochemical analysis of paraffin-embedded Human tonsil, using the Antibody at 1:1000 dilution.



Immunofluorescent analysis of U87-MG cells, using PGP9.5 Antibody.

## 1 Publications Citing This Product

1. PubMed ID: 15948235, Nude mice multi-drug resistance model of orthotopic transplantation of liver neoplasm and Tc-99m MIBI SPECT on p-glycoprotein

Visit [bosterbio.com/anti-pgp9-5-rabbit-monoclonal-antibody-m01018-2-boster.html](http://bosterbio.com/anti-pgp9-5-rabbit-monoclonal-antibody-m01018-2-boster.html) to see all 1 publications.

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