

Anti-PGP9.5/UCHL1 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9840-Fluoro550

About UCHL1

UCH-L1, also known as PGP9.5, is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. Expression of UCH-L1 is highly specific to neurons and to cells of the diffuse neuroendocrine system and their tumors. It is abundantly present in all neurons (accounts for 1-2% of total brain protein), expressed specifically in neurons and testis/ovary. The catalytic triad of UCH-L1 contains a cysteine at position 90, an aspartate at position 176, and a histidine at position 161 that are responsible for its hydrolase activity.

Overview

Product Name	Anti-PGP9.5/UCHL1 Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P09936

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PGP9.5, different from the related mouse and rat sequences by two amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

3 Publications Citing This Product

1. PubMed ID: 33989617, Zhu WQ,Cai NN,Jiang Y,Yang R,Shi JZ,Zhu CL,Zhang BY,Tang B,Zhang XM.Survivable potential of germ cells after trehalose cryopreservation of bovine testicular tissues.Cryobiology.2021 May 11:S0011-2240(21)00081-X.doi:10.1016/j.cryobiol.2021.05.001.Epub ahead of print.PMID:33989617.
2. PubMed ID: 31305258, Age-associated changes of the intrinsic nervous system in relation with interstitial cells in the pre-weaning goat rumen Yu Liang,1 Imran Tarique,1 Waseem Ail Vistro,1 Yifei Liu,1 Ziyu Wang,2 Abdul haseeb,1 Noor Samad Gandahi,1 Adeela Iqbal,1 Siyi Wang,
3. PubMed ID: 15948235, Nude mice multi-drug resistance model of orthotopic transplantation of liver neoplasm and Tc-99m MIBI SPECT on p-glycoprotein

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