

For Research Use Only

CoraLite®594-conjugated HVCN1 Monoclonal antibody



Catalog Number:CL594-66449

Basic Information

Catalog Number: CL594-66449	GenBank Accession Number: BC032672	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 84329	CloneNo.: 1E4C4
Source: Mouse	Full Name: hydrogen voltage-gated channel 1	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 273 aa, 32 kDa	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
Immunogen Catalog Number: AG5350	Observed MW: 28-35 kDa, 40 kDa, 60 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : human tonsillitis tissue,
Species Specificity: human	

Background Information

HVCN1, also named as VSOP and HV1, Belongs to the hydrogen channel family. HVCN1 mediates the voltage-dependent proton permeability of excitable membranes. It forms a proton-selective channel through which protons may pass in accordance with their electrochemical gradient. Proton efflux, HVCN1 is accompanied by membrane depolarization, facilitates acute production of reactive oxygen species in phagocytosis. HVCN1, the voltage-sensitive proton channel, is present in human sperm and is an important regulator of the functional maturation of sperm. HVCN1 has four isoforms with MW 28-32 kDa or 40 kDa (modification). It has a dimer form with MW 60 kDa.

Storage

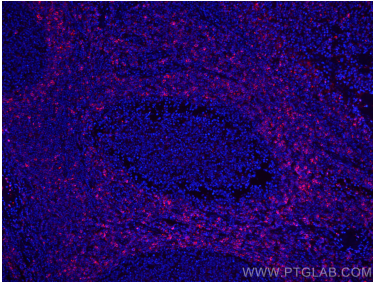
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

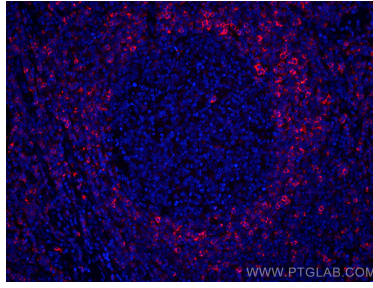
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 HVCN1 antibody (CL594-66449, Clone: 1E4C4) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 HVCN1 antibody (CL594-66449, Clone: 1E4C4) at dilution of 1:200.