

For Research Use Only

HVCN1 Polyclonal antibody, PBS Only

Catalog Number:14162-1-PBS



Basic Information

Catalog Number: 14162-1-PBS	GenBank Accession Number: BC032672	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 84329	
Source: Rabbit	UNIPROT ID: Q96D96	
Isotype: IgG	Full Name: hydrogen voltage-gated channel 1	
Immunogen Catalog Number: AG5350	Calculated MW: 273 aa, 32 kDa	
	Observed MW: 28-32 kDa, ~60 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, Indirect ELISA

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 -80°C.

Storage Buffer:
PBS Only

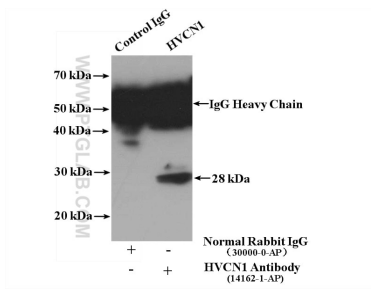
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
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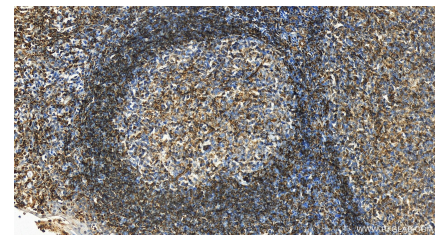
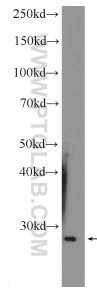
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

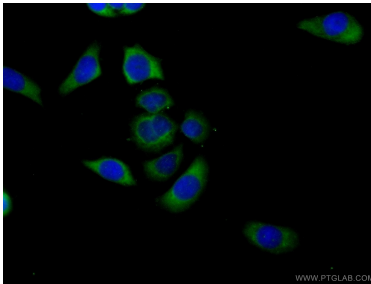


IP result of anti-HVCN1 (IP:14162-1-AP, 4 μ g; Detection:14162-1-AP 1:300) with PC-3 cells lysate 4000 μ g. This data was developed using the same antibody clone with 14162-1-PBS in a different storage buffer formulation.

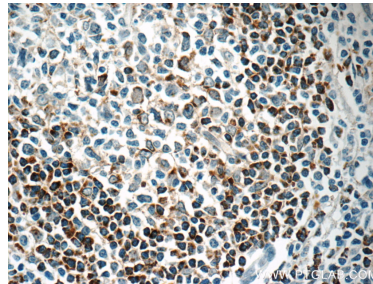
Raji cells were subjected to SDS PAGE followed by western blot with 14162-1-AP (HVCN1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14162-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14162-1-AP (HVCN1 antibody) at dilution of 1:200 (under 20 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14162-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20 $^{\circ}$ C Ethanol) fixed PC-3 cells using 14162-1-AP (HVCN1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 14162-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14162-1-AP (HVCN1 Antibody) at dilution of 1:200 (under 40 \times lens). This data was developed using the same antibody clone with 14162-1-PBS in a different storage buffer formulation.