For Research Use Only

HVCN1 Polyclonal antibody, PBS Only

Catalog Number:14162-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
14162-1-PBS

Size:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5350

GenBank Accession Number:
BC032672

GeneID (NCBI):
84329

UNIPROT ID:
Q96D96

Full Name:
hydrogen voltage-gated channel 1

Calculated MW:
273 aa, 32 kDa

Observed MW:
28-32 kDa, ~60 kDa

Purification Method:
Antigen affinity purification

Applications

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

Species Specificity:
human

Background Information

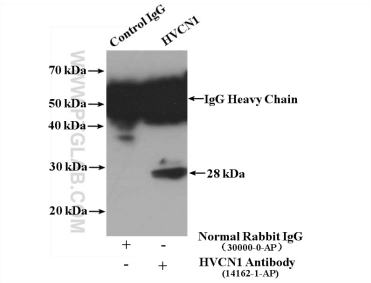
HVCN1, also named as VSOP and HV1, Belongs to the hydrogen channel family. HVCN1 mediates the voltage-dependent proton permeability of excitable membranes. It forms a proton-selective channel through which protons may pass in accordance with their electrochemical gradient. Proton efflux, HVCN1 is accompanied 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

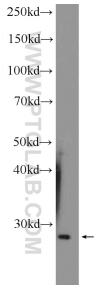
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

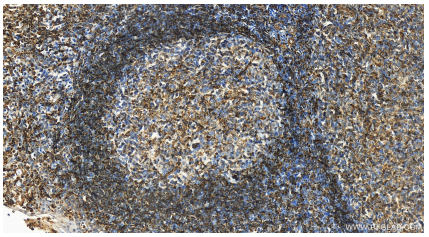
Selected Validation Data



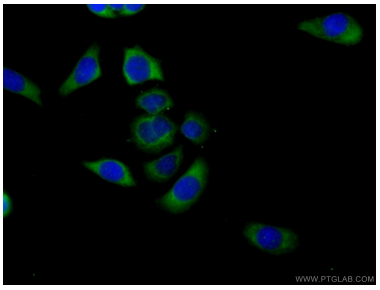
IP result of anti-HVCN1 (IP:14162-1-AP, 4ug; Detection:14162-1-AP 1:300) with PC-3 cells lysate 4000 ug. This data was developed using the same antibody clone with 14162-1-PBS in a different storage buffer formulation.



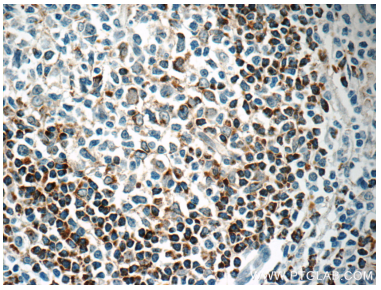
Raji cells were subjected to SDS PAGE followed by western blot with 14162-1-AP (HVCN1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14162-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14162-1-AP (HVCN1 antibody) at dilution of 1:200 (under 20x 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℃ 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 40x lens). This data was developed using the same antibody clone with 14162-1-PBS in a different storage buffer formulation.