

For Research Use Only

KCNH1 Polyclonal antibody, PBS Only

Catalog Number: 26426-1-PBS

Featured Product



Basic Information

Catalog Number:

26426-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16647

GenBank Accession Number:

BC113709

GeneID (NCBI):

3756

UNIPROT ID:

O95259

Full Name:

potassium voltage-gated channel, subfamily H (eag-related), member 1

Calculated MW:

989 aa, 111 kDa

Observed MW:

111 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Background Information

Potassium voltage-gated channel subfamily H member 1 (KCNH1, also known as Kv10.1 and EAG) a member of the EAG (ether-à-go-go) family, which is involved in intracellular signaling, cell proliferation, and tumorigenesis (PMID: 35639255). KCNH1 is mainly expressed in the adult central nervous system. It also plays a role in controlling K⁺ flux that regulates resting membrane potential in excitable and non-excitable cells and is activated at the onset of myoblast differentiation (PMID: 29333676; 27029528; 9738473).

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, pH7.3

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

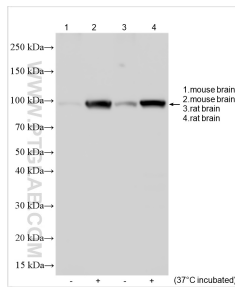
T: 4006900926

E: Proteintech-CN@ptglab.com

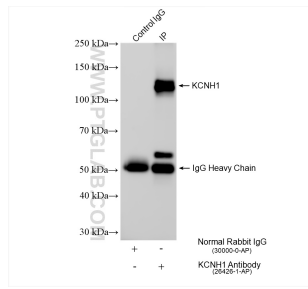
W: ptgcn.com

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

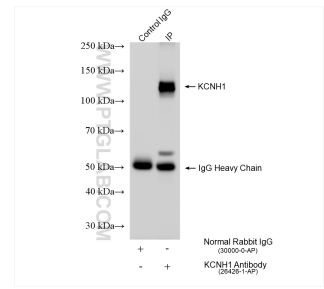
Selected Validation Data



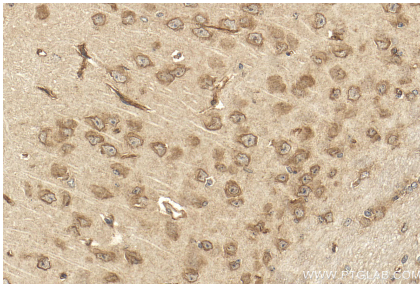
Various lysates were subjected to SDS PAGE followed by western blot with 26426-1-AP (KCNH1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26426-1-PBS in a different storage buffer formulation.



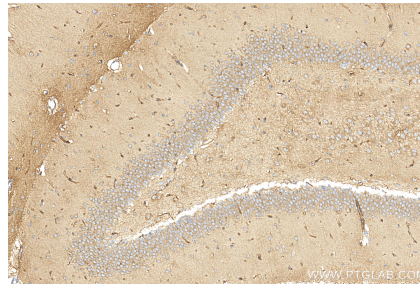
IP result of anti-KCNH1 (IP:26426-1-AP, 4ug; Detection:26426-1-AP 1:5000) with rat brain tissue lysate 1720 ug. This data was developed using the same antibody clone with 26426-1-PBS in a different storage buffer formulation.



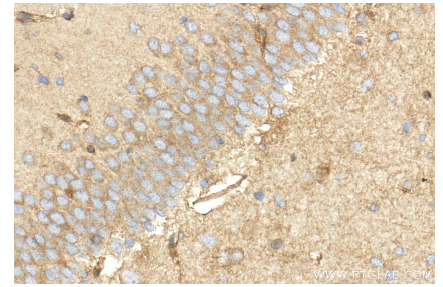
IP result of anti-KCNH1 (IP:26426-1-AP, 4ug; Detection:26426-1-AP 1:5000) with mouse brain tissue lysate 2120 ug. This data was developed using the same antibody clone with 26426-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 26426-1-AP (KCNH1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26426-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 26426-1-AP (KCNH1 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26426-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 26426-1-AP (KCNH1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26426-1-PBS in a different storage buffer formulation.