For Research Use Only

KCNH1 Polyclonal antibody, PBS Only

Catalog Number:26426-1-PBS Featured Product

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Basic Information

Catalog Number:
26426-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

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

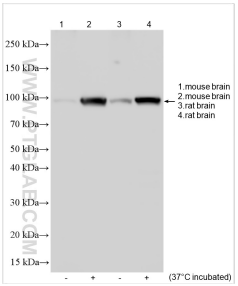
Potassium voltage-gated channel subfamily H member 1 (KCNH1, also known as Kv10.1 and EAG) a member of the EAG (ether-à-go-go) family, which is involved in intracellular signaling, cell proliferation, and tumorigenesis (PMID: 35639255). KCNH1 is mainly expressed in the adult central nervous system. It also plays a role in controlling K+ fux 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

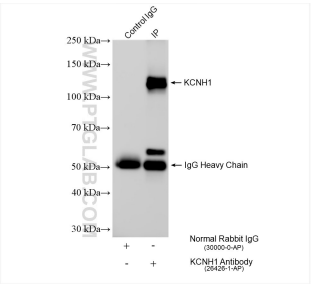
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

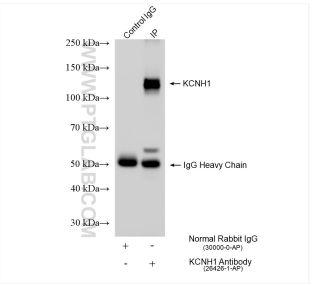
Selected Validation Data



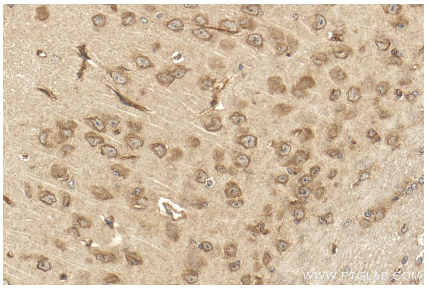
Various lysates were subjected to SDS PAGE followed by western blot with 26426-1-AP (KCNH1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26426-1-PBS in a different storage buffer formulation.



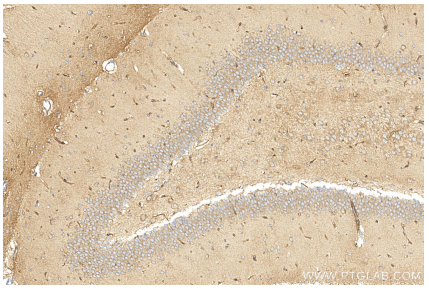
IP result of anti-KCNH1 (IP:26426-1-AP, 4ug; Detection:26426-1-AP 1:5000) with rat brain tissue lysate 1720 ug. This data was developed using the same antibody clone with 26426-1-PBS in a different storage buffer formulation.



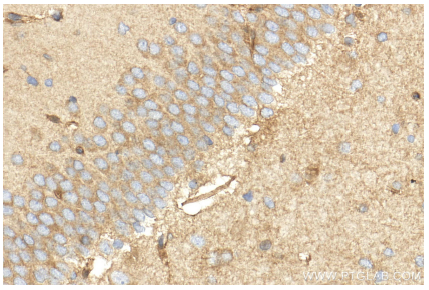
IP result of anti-KCNH1 (IP:26426-1-AP, 4ug; Detection:26426-1-AP 1:5000) with mouse brain tissue lysate 2120 ug. This data was developed using the same antibody clone with 26426-1-PBS in a different storage buffer formulation.



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.