

For Research Use Only

KCNH1 Polyclonal antibody

Catalog Number: 26426-1-AP



Basic Information

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|---|---|--|
| Catalog Number: 26426-1-AP | GenBank Accession Number: BC113709 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 550 ug/ml by Nanodrop; | GeneID (NCBI): 3756 | Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:400-1:1600 |
| Source: Rabbit | UNIPROT ID: O95259 | |
| Isotype: IgG | Full Name: potassium voltage-gated channel, subfamily H (eag-related), member 1 | |
| Immunogen Catalog Number: AG16647 | Calculated MW: 989 aa, 111 kDa | |
| | Observed MW: 111 kDa | |

Applications

| | |
|--|---|
| Tested Applications: WB, IHC, ELISA | Positive Controls: |
| Species Specificity: human, mouse, rat | WB : mouse brain tissue, rat brain tissue |
| | IHC : rat brain tissue, mouse brain tissue |

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

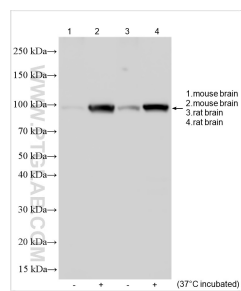
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

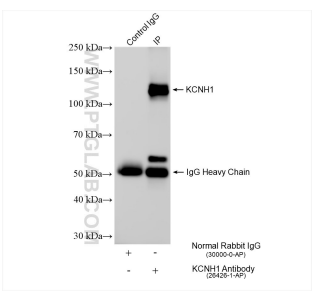
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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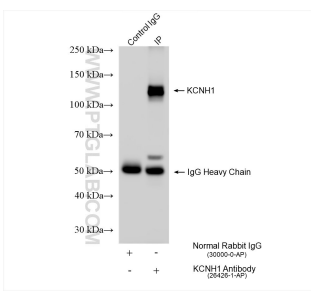
Selected Validation Data



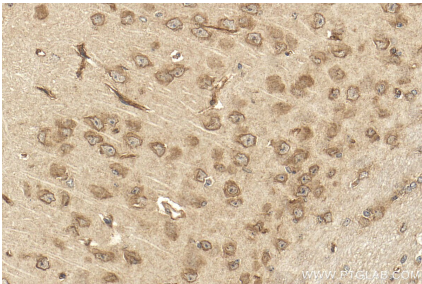
Various lysates were subjected to SDS PAGE followed by western blot with 26426-1-AP (KCNH1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



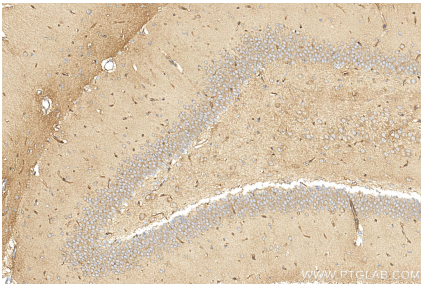
IP result of anti-KCNH1 (IP:26426-1-AP, 4ug; Detection:26426-1-AP 1:5000) with rat brain tissue lysate 1720 ug.



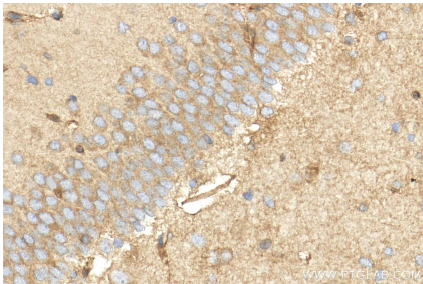
IP result of anti-KCNH1 (IP:26426-1-AP, 4ug; Detection:26426-1-AP 1:5000) with mouse brain tissue lysate 2120 ug.



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).



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).



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).