

For Research Use Only

KCNH7 Recombinant antibody

Catalog Number: 83674-1-RR



Basic Information

Catalog Number: 83674-1-RR	GenBank Accession Number: BC035815	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 90134	CloneNo.: 240644B5
Source: Rabbit	UNIPROT ID: Q9NS40	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800
Isotype: IgG	Full Name: potassium voltage-gated channel, subfamily H (eag-related), member 7	
Immunogen Catalog Number: AG4532	Calculated MW: 1196 aa, 135 kDa	
	Observed MW: 135 kDa	

Applications

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

Background Information

Potassium voltage-gated channel subfamily H member 7 is a protein that in humans is encoded by the KCNH7 gene. The protein encoded by this gene is a voltage-gated potassium channel subunit. KCNH7 is pore-forming (alpha) subunit of voltage-gated potassium channel. Channel properties may be modulated by cAMP and subunit assembly.

Storage

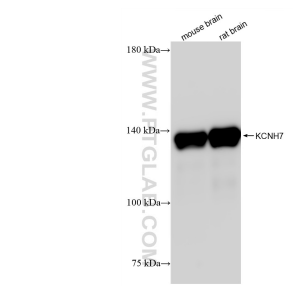
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

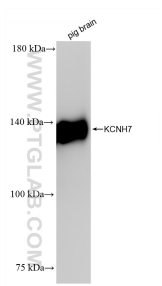
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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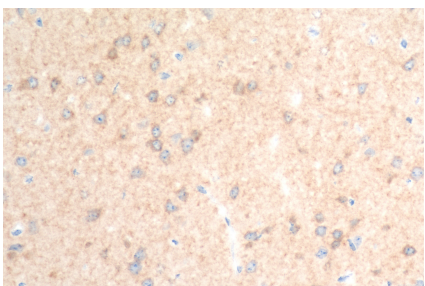
Selected Validation Data



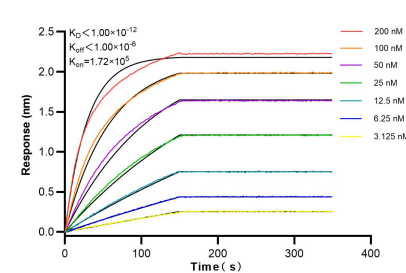
Various lysates were subjected to SDS PAGE followed by western blot with 83674-1-RR (KCNH7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



pig brain tissue were subjected to SDS PAGE followed by western blot with 83674-1-RR (KCNH7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83674-1-RR (KCNH7 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83674-1-RR against Human KCNH7 were performed. The affinity constant is below 1 pM.