

For Research Use Only

KCNQ2 Monoclonal antibody

Catalog Number: 66774-1-Ig **3 Publications**



Basic Information

Catalog Number: 66774-1-Ig	GenBank Accession Number: BC000699	Purification Method: Protein A purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop;	GeneID (NCBI): 3785	CloneNo.: 1D4A1
Source: Mouse	UNIPROT ID: O43526	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:300-1:1200 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: potassium voltage-gated channel, KQT-like subfamily, member 2	
Immunogen Catalog Number: AG25781	Calculated MW: 96 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : pig brain tissue, rat brain tissue, mouse brain tissue
Species Specificity: human, mouse, rat, pig	IHC : mouse brain tissue,
Cited Species: mouse, rat	IF/ICC : U2OS cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Notable Publications

Author	Pubmed ID	Journal	Application
Chunfang Xu	35014584	Clin Exp Hypertens	WB
Emma V Parkins	38082035	Sci Rep	WB
Shicheng Jiang	38049972	Hippocampus	WB,IF

Storage

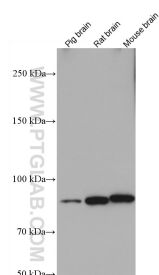
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

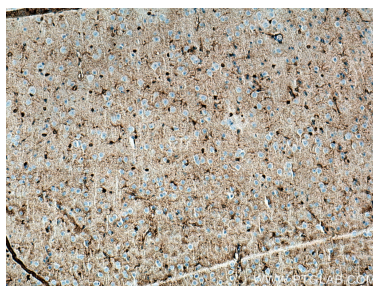
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

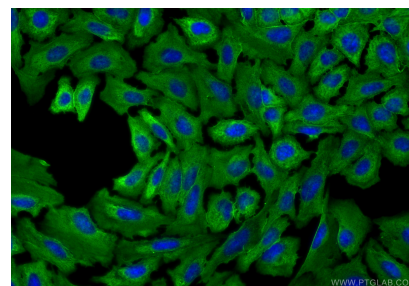
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66774-1-Ig (KCNQ2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66774-1-Ig (KCNQ2 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using KCNQ2 antibody (66774-1-Ig, Clone: 1D4A1) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).