For Research Use Only

KCNQ2 Monoclonal antibody, PBS Only (Detector)

Catalog Number:66774-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66774-1-PBS

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

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG25781

GenBank Accession Number:
BC000699

GeneID (NCBI):
3785

UNIPROT ID:
O43526

Full Name:
potassium voltage-gated channel, KQT-like subfamily, member 2

Calculated MW:
96 kDa

Observed MW:
90 kDa

Purification Method:
Protein G purification

CloneNo.:
1D4A1

Applications

Tested Applications:
WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

Product Information

66774-1-PBS targets KCNQ2 as part of a matched antibody pair:

MP50721-2: 66774-4-PBS capture and 66774-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

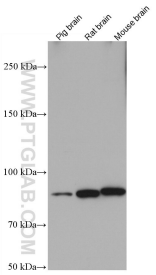
Storage

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

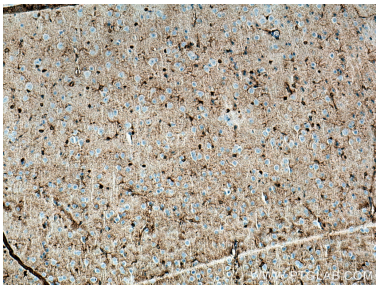
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

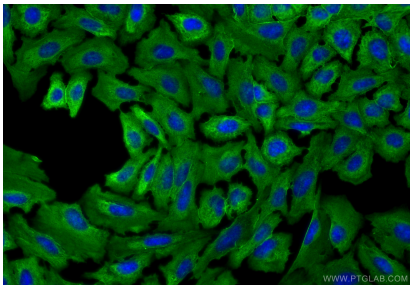
Selected Validation Data



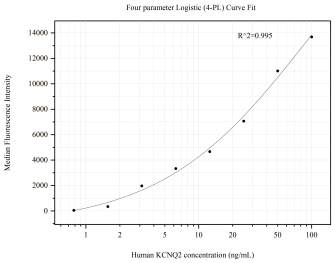
Various lysates were subjected to SDS PAGE followed by western blot with 66774-1-Ig (KCNQ2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66774-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66774-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66774-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50721-2, KCNQ2 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66774-4-PBS. Detection antibody: 66774-1-PBS. Standard:Ag25781. Range: 0.781-100 ng/mL.