TASK1 Potassium Channel Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 11578 (clone S374-48)
Format: 100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.

BACKGROUND

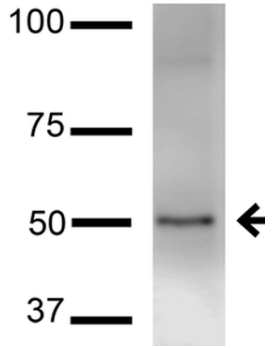
TASK1 channels are members of the two-pore domain family of potassium channels whose structure consists of two pore-forming regions flanked by four membrane-spanning domains. The activity of these channels is sensitive to changes in extracellular pH in the physiological range . Like other two-pore domain family members, these channels show little time or voltage dependence. Thus they have characteristics of leak K^+ channels, generating background currents that contribute to membrane potential and the shaping of cell excitability.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 251-411 (cytoplasmic C-terminus) of rat TASK1. This sequence is 96% identical in mouse, 76% identical in human, and <30% identical in TASK3.
Accession nos: NP_203694.1, O54912
Gene ID: 29553
Host Species: Mouse
Antibody Class: IgG2b
Specificity: This antibody recognizes human, mouse, and rat TASK1.

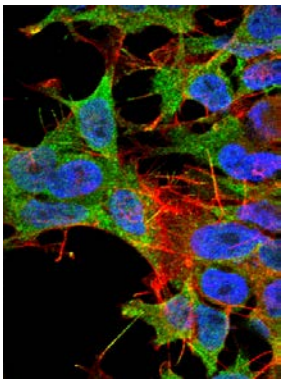
APPLICATIONS

Immunoblotting: use at 1-5ug/ml. A band of ~50kDa is detected.



Detection of TASK1 in rat brain lysate with #11578 at 1ug/ml.

Immunofluorescence: use at 10ug/ml.



Detection of TASK1 in neuroblastoma cell line SK-N-BE with #11578 at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) SHANK1/SHANK3 stain.

These are recommended concentrations. Endusers should determine optimal concentrations for their application.

QED Bioscience, Inc.
10919 Technology Place, Suite C
San Diego, CA 92127

Toll Free 800.929.2114
Phone 858.675.2405
Fax 858.592.1509
info@qedbio.com

TASK1 Potassium Channel Monoclonal Antibody

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20^{o}C.

For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.

QED Bioscience, Inc.
10919 Technology Place, Suite C
San Diego, CA 92127

Toll Free 800.929.2114
Phone 858.675.2405
Fax 858.592.1509
info@qedbio.com