

Product Datasheet

KCNK3 Antibody (S374-48) - BSA Free NBP2-42202

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-42202

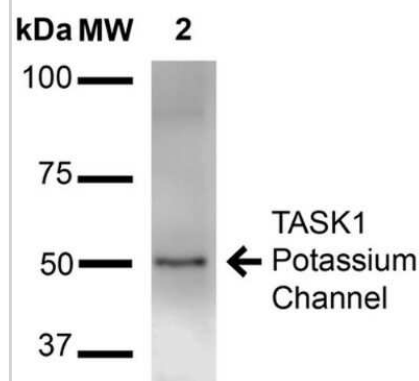
KCNK3 Antibody (S374-48) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S374-48
Preservative	0.1% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	3777
Gene Symbol	KCNK3
Species	Human, Mouse, Rat
Specificity/Sensitivity	Less than 30% identity with TASK3. Detects approx 50kDa. Does not cross-react with TASK3.
Immunogen	Fusion protein amino acids 251-411 (cytoplasmic C-terminus) of rat Acid-sensitive potassium channel protein TASK or TASK1. Mouse: 96% identity (156/161 amino acids identical). Human: 76% identity (163/161 amino acids identical). <30% identity with TASK3.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100
Application Notes	1 ug/ml of TASK1 Potassium Channel Antibody was sufficient for detection of TASK1 Potassium Channel in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

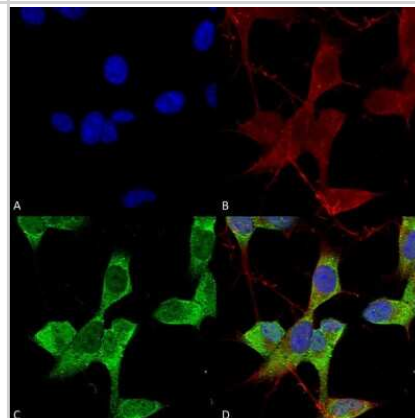


Images

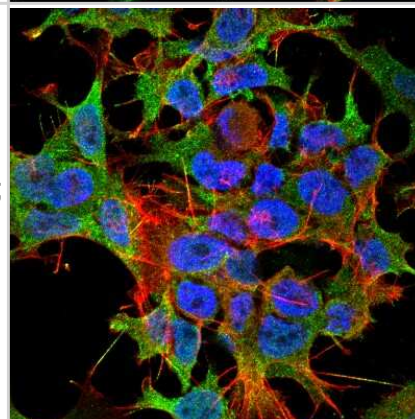
Western Blot: KCNK3 Antibody (S374-48) [NBP2-42202] - Western Blot analysis of Rat Brain Membrane showing detection of ~50 kDa TASK1 Potassium Channel protein using Mouse Anti-TASK1 Potassium Channel Monoclonal Antibody, Clone S374-48 (NBP2-42202). Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat brain membrane. Load: 15 ug. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-TASK1 Potassium Channel Monoclonal Antibody (NBP2-42202) at 1:1000 for 16 hours at 4C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~50 kDa.



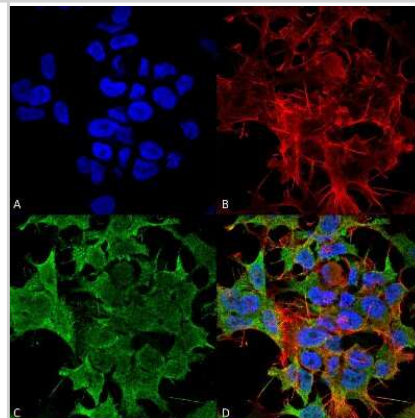
Immunocytochemistry/Immunofluorescence: KCNK3 Antibody (S374-48) [NBP2-42202] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TASK1 Potassium Channel Monoclonal Antibody, Clone S374-48 (NBP2-42202). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-TASK1 Potassium Channel Monoclonal Antibody (NBP2-42202) at 1:50 for overnight at 4C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) TASK1 Potassium Channel Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: KCNK3 Antibody (S374-48) [NBP2-42202] - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-TASK1 Potassium Channel Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Membrane. Magnification: 60X.



Immunocytochemistry/Immunofluorescence: KCNK3 Antibody (S374-48) [NBP2-42202] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TASK1 Potassium Channel Monoclonal Antibody, Clone S374-48 (NBP2-42202). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-TASK1 Potassium Channel Monoclonal Antibody (NBP2-42202) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Membrane. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) TASK1 Potassium Channel Antibody. (D) Composite.





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Products Related to NBP2-42202

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00114571-P01-10ug	Recombinant Human SLC22A9 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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