

Product Datasheet

Kv7.4 Antibody (S43/6) - BSA Free NBP2-12899

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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NBP2-12899

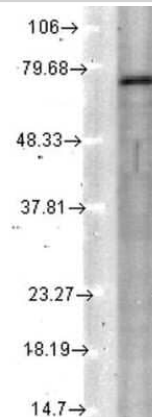
Kv7.4 Antibody (S43/6) - BSA Free

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	S43/6
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	9132
Gene Symbol	KCNQ4
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 77kDa.
Immunogen	Fusion protein amino acids 2-77 of human KCNQ4
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Frozen 1:10-1:500, Microarray
Application Notes	1 ug/mL of KCNQ4 Antibody was sufficient for detection of KCNQ4 in 10 ug of COS-1 cell lysate transiently expressing KCNQ4 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

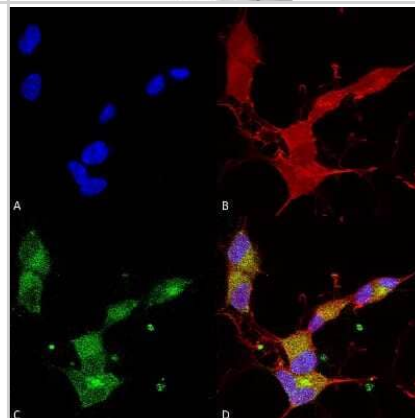


Images

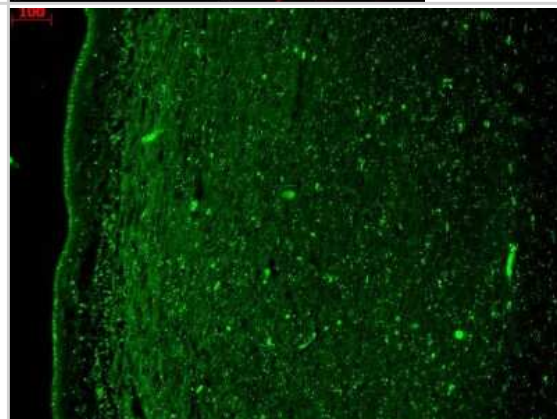
Western Blot: Kv7.4 Antibody (S43/6) [NBP2-12899] - Western Blot analysis of Rat tissue lysate showing detection of Kv7.4 protein using Mouse Anti-Kv7.4 Monoclonal Antibody, Clone N43/6 (NBP2-12899). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Kv7.4 Monoclonal Antibody (NBP2-12899) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



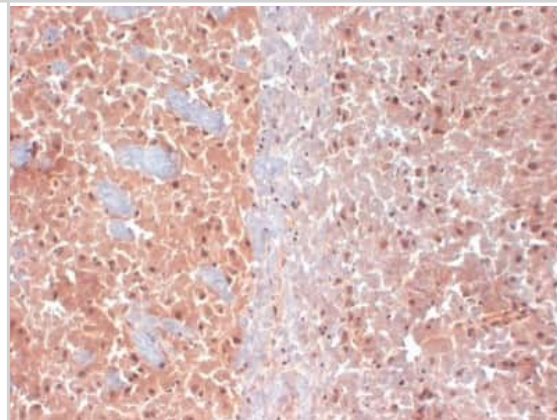
Immunocytochemistry/Immunofluorescence: Kv7.4 Antibody (S43/6) [NBP2-12899] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Kv7.4 Monoclonal Antibody, Clone N43/6 (NBP2-12899). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Kv7.4 Monoclonal Antibody (NBP2-12899) at 1:100 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) Kv7.4 Antibody (D) Composite.



Immunohistochemistry: Kv7.4 Antibody (S43/6) [NBP2-12899] - Immunohistochemistry analysis using Mouse Anti-Kv7.4 Monoclonal Antibody, Clone N43/6 (NBP2-12899). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Kv7.4 Monoclonal Antibody (NBP2-12899) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Immunohistochemistry-Frozen: Kv7.4 Antibody (S43/6) [NBP2-12899] - Tissue: frozen brain section. Species: mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-KCNQ4 Monoclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 uL for 5 minutes at RT.





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Products Related to NBP2-12899

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-12899FR	Kv7.4 Antibody (S43/6) [DyLight 680]

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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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