

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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Updated 9/9/2025 v.20.1

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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

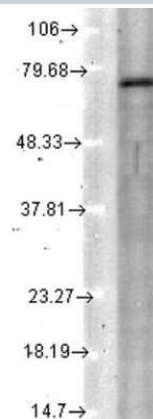
Product Description	
Description	Novus Biologicals Mouse Kv7.4 Antibody (S43/6) - BSA Free (NBP2-12899) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	9132
Gene Symbol	KCNQ4
Species	Human, Mouse, 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.

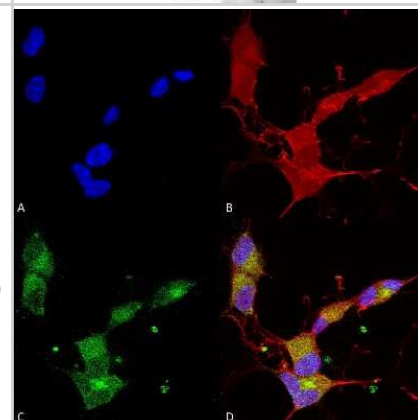


Images

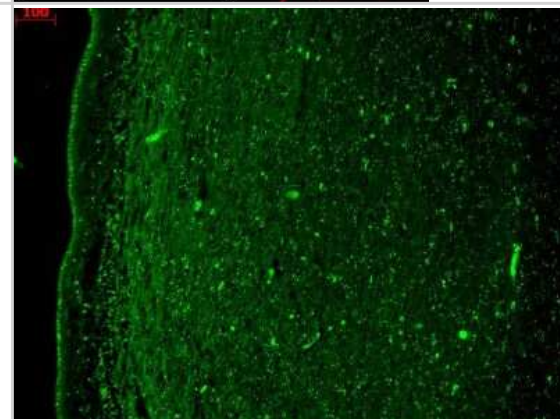
Western Blot: Kv7.4 Antibody (S43/6) [NBP2-12899] - Western Blot analysis of Rat tissue lysate showing detection of Kv7.4 protein using Mouse Anti-Kv7.4 Monoclonal Antibody, Clone N43/6 (NBP2-12899). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Kv7.4 Monoclonal Antibody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



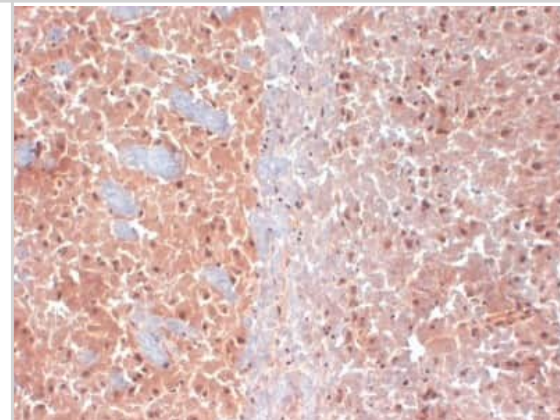
Immunocytochemistry/Immunofluorescence: Kv7.4 Antibody (S43/6) [NBP2-12899] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Kv7.4 Monoclonal Antibody, Clone N43/6 (NBP2-12899). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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