

# Product Datasheet

## Kir6.1 Antibody (S366-60) - BSA Free NBP2-59324

Unit Size: 100 ug

Store at -20C.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 2

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Updated 9/9/2025 v.20.1

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**NBP2-59324**

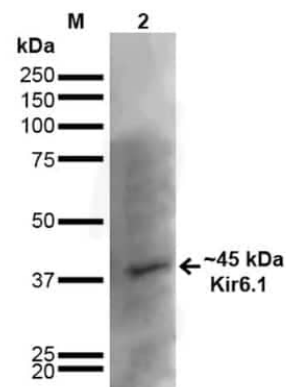
Kir6.1 Antibody (S366-60) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	S366-60
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4), 50% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Kir6.1 Antibody (S366-60) - BSA Free (NBP2-59324) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Kir6.1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3764
<b>Gene Symbol</b>	KCNJ8
<b>Species</b>	Human, Mouse, Rat, Gerbil
<b>Reactivity Notes</b>	Use in Gerbil reported in scientific literature (PMID:31573045).
<b>Specificity/Sensitivity</b>	Detects 45kDa.
<b>Immunogen</b>	Fusion protein amino acids 306-424 (Cytoplasmic C-terminus) of rat Kir6.1
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100

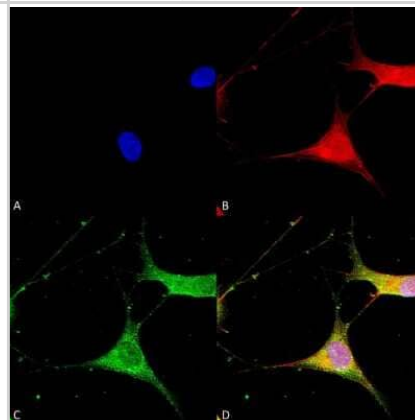


## Images

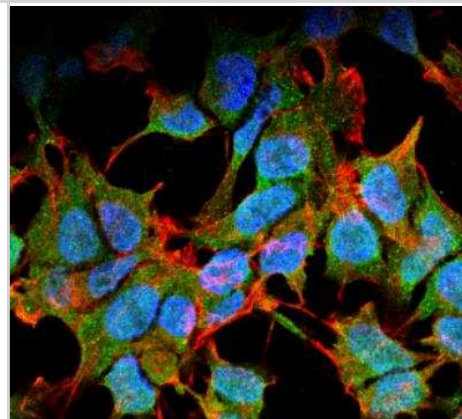
Western Blot: Kir6.1 Antibody (S366-60) [NBP2-59324] - Western Blot analysis of Rat Brain showing detection of ~45 kDa Kir6.1 protein using Mouse Anti-Kir6.1 Monoclonal Antibody, Clone S366-60 (NBP2-59324). Lane 1: MW Ladder. Lane 2: Rat Brain. Load: 20 ug. Block: 2% GE Healthcare Blocker for 1 hour at RT. Primary Antibody: Mouse Anti-Kir6.1 Monoclonal Antibody (NBP2-59324) at 1:1000 for 16 hours at 4C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~45 kDa. Other Band(s): ~100 kDa.



Immunocytochemistry/Immunofluorescence: Kir6.1 Antibody (S366-60) [NBP2-59324] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Kir6.1 Monoclonal Antibody, Clone S366-60 (NBP2-59324). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Kir6.1 Monoclonal Antibody (NBP2-59324) 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) Kir6.1 Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: Kir6.1 Antibody (S366-60) [NBP2-59324] - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Kir6.1 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.



## Publications

Strutynskyi RB, Strutynska NA, Piven OO et al. Upregulation of ATP-Sensitive Potassium Channels as the Potential Mechanism of Cardioprotection and Vasorelaxation Under the Action of Pyridoxal-5-Phosphate in Old Rats Journal of cardiovascular pharmacology and therapeutics 2023-11-10 [PMID: 37946524] (WB, Rat)

Details:  
1:1000 WB dilution

Park J H, Kim D W et al. Improved HCN channels in pyramidal neurons and their new expression levels in pericytes and astrocytes in the gerbil hippocampal CA1 subfield following transient ischemia. Int J Mol Med 2019-01-11 [PMID: 31573045] (ICC/IF, Gerbil)

Details:  
Meriones unguiculatus (Mongolian gerbil)



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### **Products Related to NBP2-59324**

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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]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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### **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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