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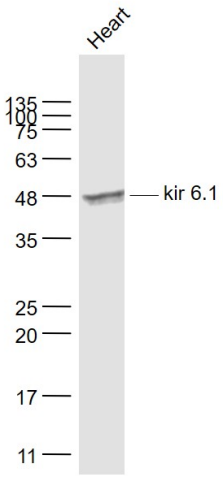
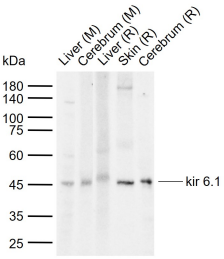
kir 6.1 Rabbit pAb

Catalog Number:	bs-6468R
Target Protein:	kir 6.1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Mouse, Rat (predicted:Human, Rabbit, Pig, Cow, Chicken)
Predicted MW:	48 kDa
Entrez Gene:	3764
Source:	KLH conjugated synthetic peptide derived from human kir 6.1: 61-160/424.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	This potassium channel is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. Can be blocked by external barium.

VALIDATION IMAGES



Sample: Heart(Rat) Lysate at 40 ug Primary: Anti- kir 6.1 (bs-6468R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Mouse Cerebrum tissue lysates Lane 3: Rat Liver tissue lysates Lane 4: Rat Skin tissue lysates Lane 5: Rat Cerebrum tissue lysates Primary: Anti-kir 6.1 (bs-6468R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kDa Observed band size: 45 kDa

PRODUCT SPECIFIC PUBLICATIONS

[IF=2.74] Hessah Al-Shammari. et al. Expression and function of mechanosensitive ion channels in human valve interstitial cells. Plos One. 2020 Oct;15(10):e0240532 WB ; Human . 33057457

[IF=0.91] Horii K et al. ATP-dependent potassium channels contribute to motor regulation of esophageal striated muscle in rats. J Vet Med Sci. 2019 Jul 9. IHC ; Rat . 31292350