

For Research Use Only

KCND3 Recombinant antibody

Catalog Number:83640-5-RR



Basic Information

Catalog Number: 83640-5-RR	GenBank Accession Number: BC113477	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3752	CloneNo.: 240578F12
Source: Rabbit	UNIPROT ID: Q9UK17	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: potassium voltage-gated channel, Shal-related subfamily, member 3	
Immunogen Catalog Number: AG22183	Calculated MW: 655 aa, 73 kDa	
	Observed MW: 73 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat brain tissue,
Species Specificity: human, rat	

Background Information

KCND3 gene encodes the voltage-gated potassium ion channel subfamily D member 3, a six trans-membrane protein (Kv4.3), involved in the transient outward K⁺ current. KCND3 gene defect causes both cardiological and neurological syndromes. Kv4.3 contributes to the cardiac transient outward potassium current (I_{to1}), the main contributing current to the repolarizing phase 1 of the cardiac action potential.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

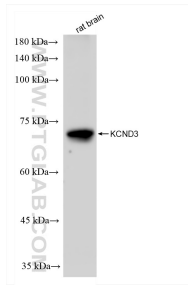
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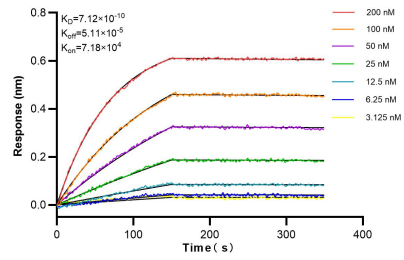
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W: ptglab.com

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Selected Validation Data



rat brain tissue were subjected to SDS PAGE followed by western blot with 83640-5-RR (KCND3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83640-5-RR against Human KCND3 were performed. The affinity constant is 0.712 nM.