



# GOAT ANTI-KCNB1 / DRK1 ANTIBODY

**SKU:** EB08061



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## SPECIFICATIONS

<b>Formulation</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Unit Size</b>	100 µg
<b>Storage Instructions</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Synonym / Alias Names</b>	voltage-gated potassium channel potassium voltage-gated channel subfamily B member 1 potassium channel protein DRK1 h-DRK1 K channel delayed rectifier potassium channel Kv2.1 h-DRK1 KV2.1 DRK1 potassium voltage-gated channel, Shab-related subfamily, member 1 KCNB1
<b>Accession ID</b>	NP_004966.1
<b>Blocking Peptide</b>	EBP08061
<b>Immunogen</b>	Peptide with sequence C-HQYIDADTDDEGQ, from the internal region of the protein sequence according to NP_004966.1.
<b>Peptide Sequence</b>	C-HQYIDADTDDEGQ
<b>Purification Method</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Shipping Instructions</b>	Refrigerated
<b>Predicted Species</b>	Human, Mouse, Dog, Cow, Pig
<b>Human Gene ID</b>	3745
<b>Mouse Gene ID</b>	16500
<b>Rat Gene ID</b>	25736
<b>Product Grade</b>	<a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/aspiring_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/aspiring_medium.png</a>
<b>ELISA Detection Limit</b>	Antibody detection limit dilution 1:4000.



**Western  
Blot**

Preliminary experiments gave a 100kDa band and additional stronger bands at approx 50kDa and 38kDa in Human Brain (Cerebellum) and Heart lysates after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the extra bands we observe given the calculated size of 95.9kDa according to NP\_004966.1. Both detected extra bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**Application  
Type** Pep-ELISA

## DOCUMENTS

- [Data Sheet](#)