

## ARG52398 anti-Kv2.2 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Kv2.2
Tested Reactivity	Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Kv2.2
Species	Rat
Immunogen	Synthetic peptide corresponding to amino acid residues specific to the Kv2.2 subunit conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	Potassium voltage-gated channel subfamily B member 2; Voltage-gated potassium channel subunit Kv2.2; KV2.2

### Application Instructions

Application table	Application	Dilution
	IHC-P	frozen sections: 1:1000
	WB	1:1000
Application Note	<p>Specific for the ~125k voltage gated potassium channel, Kv 2.2 subunit.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

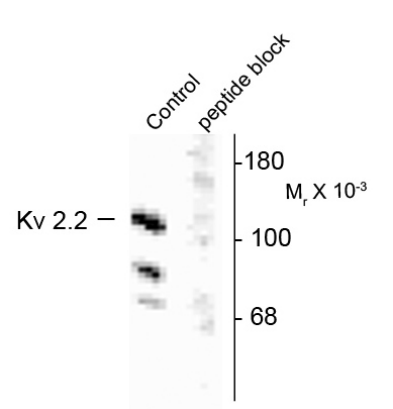
### Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Database links	<a href="#">GeneID: 117105 Rat</a>
Background	Voltage-gated K <sup>+</sup> channels are important determinants of neuronal membrane excitability (Pongs, 1999). Moreover, differences in K <sup>+</sup> channel expression patterns and densities contribute to the variations in action potential waveforms and repetitive firing patterns evident in different neuronal cell types. The delayed rectifier-type (IK) channels (Kv1.5, Kv2.1, and Kv2.2) are expressed on all neuronal somata and proximal dendrites and are also found in a wide variety of non-neuronal cells types including pancreatic islets, alveolar cells and cardiac myocytes (Hwang et al., 1993; Yan et al., 2004; Michaelovski et al., 2003). Kv2.1 and Kv2.2 form distinct populations of K <sup>+</sup> channels and these subunits are thought to be primarily responsible for IK in superior cervical ganglion cells (Blaine and Ribera, 1998; Burger and Ribera, 1996).
Research Area	Neuroscience antibody
Calculated Mw	103 kDa
PTM	Phosphorylated.

Images



ARG52398 anti-Kv2.2 antibody WB image

Western Blot: rat brain homogenate showing specific immunolabeling of the ~125k voltage-gated potassium channel, Kv2.2 (Control) stained with ARG52398 Kv2.2 antibody. The immunolabeling is blocked by preadsorption with the peptide used as antigen (Peptide block).