

## KV3.2 Rabbit pAb

CatalogNo: YT2511

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 70kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

### Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from human Potassium Channel Kv3.2b. AA range: 589-638

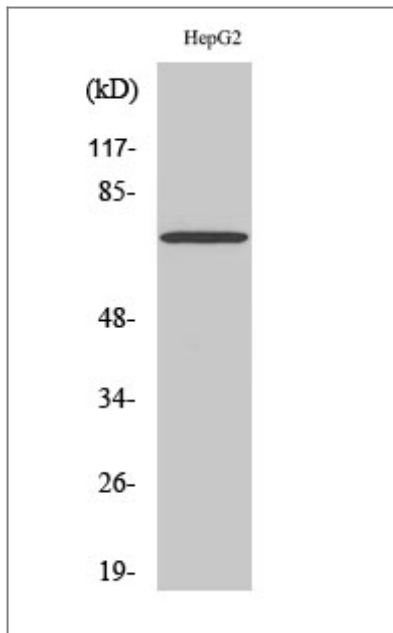
#### Specificity

KV3.2 Polyclonal Antibody detects endogenous levels of KV3.2 protein.

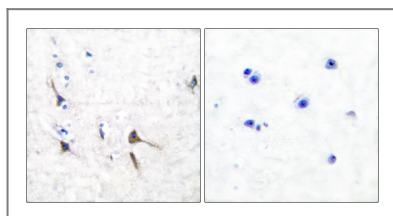
### Target Information

Gene name	KCNC2		
Protein Name	Potassium voltage-gated channel subfamily C member 2		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">3747</a> ;	<a href="#">Q96PR1</a> ;
	Mouse		<a href="#">Q14B80</a> ;
	Rat	<a href="#">246153</a> ;	<a href="#">P22462</a> ;
Cellular Localization	Cell membrane ; Multi-pass membrane protein . Membrane ; Multi-pass membrane protein . Perikaryon . Cell projection, axon . Cell projection, dendrite . Cell junction, synapse, postsynaptic cell membrane . Cell junction, synapse, presynaptic cell membrane . Cell junction, synapse, synaptosome . Cell junction, synapse . Apical cell membrane . Basolateral cell membrane . Colocalizes with parvalbumin in globus pallidus neurons. Localizes in thalamocortical axons and synapses. Localizes on the surface of cell somata, proximal dendrites and axonal membranes. Also detected throughout the neuropil. Localized in starburst cell somata and proximal dendrite processes. Colocalized with GABA in presynaptic terminals. Clustered in patches in somatic and proximal dendritic membrane as well as in axons and presynaptic terminals of GABAergic interneurons; some of these patches are found near postsynaptic sites. .		
Tissue specificity	Amygdala,Brain,		
Function	Domain:The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.,Domain:The tail may be important in modulation of channel activity and/or targeting of the channel to specific subcellular compartments.,Function:Mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient. Channel properties are modulated by subunit assembly.,similarity:Belongs to the potassium channel family. C (Shaw) subfamily.,subunit:The potassium channel is probably composed of a homo- or heterotetrameric complex of pore-forming subunits that can associate with modulating accessory subunits. Interacts with KCNC1, KCNE1, KCNE2 and KCNE3.,		

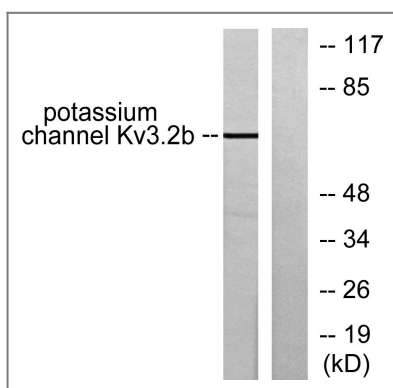
| Validation Data



Western Blot analysis of various cells using KV3.2 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Potassium Channel Kv3.2b Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using Potassium Channel Kv3.2b Antibody. The lane on the right is blocked with the synthesized peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**KV3.2 Rabbit pAb**