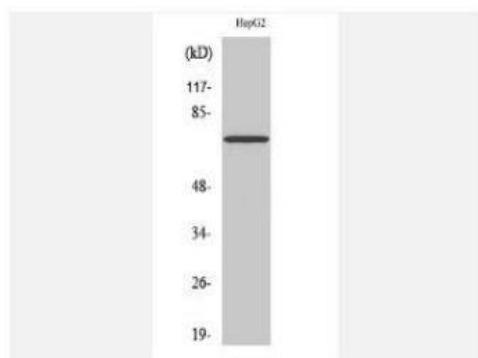


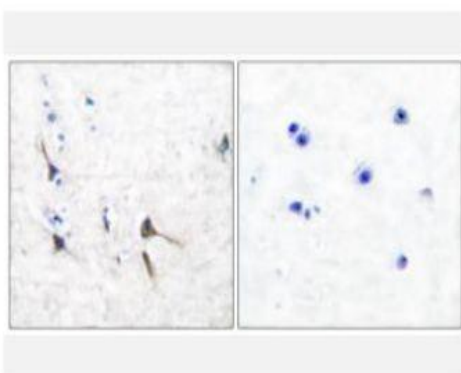
KV32 Polyclonal Antibody

Catalog No.	IPB4150
Reactivity	Human; Mouse; Rat
Applications	WB; IHC; ELISA
Dilution	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA: 1:10000
Gene Name	KCNC2
Protein Name	Potassium voltage-gated channel subfamily C member 2
Human Gene Id	3747
Swiss-Prot	Q96PR1
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	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
MW	70226
Background	The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies Based on sequence similarity, this gene is similar to the Shaw subfamily The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes It generates atypical voltage-dependent transient current that may be important for neuronal excitability Multiple transcript variants have been found for this gene

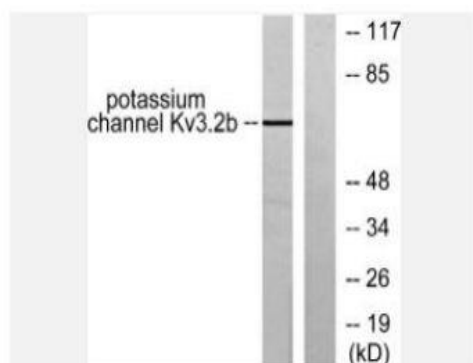
Products Images:



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.