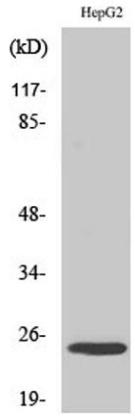
MaxiKβ rabbit pAb

Cat#: orb765629 (Manual)

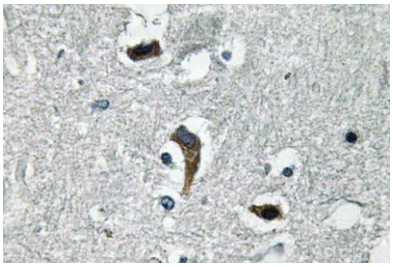
For research use only. Not intended for diagnostic use.

Product Name	MaxiKβ rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MaxiKbeta. AA range:70-119
Specificity	MaxiKβ Polyclonal Antibody detects endogenous levels of MaxiKβ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Calcium-activated potassium channel subunit beta-4
Gene Name	KCNMB4
Cellular localization	Membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	24kD
Human Gene ID	27345
Human Swiss-Prot Number	Q86W47
Alternative Names	KCNMB4; Calcium-activated potassium channel subunit beta-4; BK channel subunit beta-4; BKbeta4; Hbeta4; Calcium-activated potassium channel; subfamily M subunit beta-4; Charybdotoxin receptor subunit beta-4; K(VCA)beta-4; Maxi K channel sub
Background	MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels can be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which slows activation kinetics, leads to steeper calcium sensitivity, and shifts the voltage range of current activation to more negative potentials than does the beta 1 subunit. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using MaxiKβ Polyclonal Antibody



Immunohistochemistry analysis of MaxiKβ antibody in paraffin-embedded human brain tissue.

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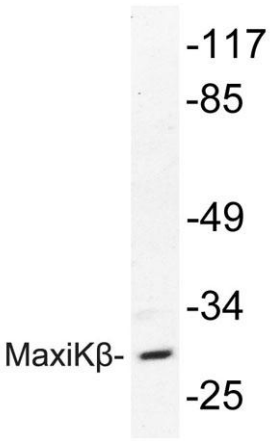

Western blot analysis of lysate from HepG2 cells, using MaxiKβ antibody.

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