



MaxiK β 2 rabbit pAb

Cat No.:ES2755

For research use only

Overview

Product Name	MaxiK β 2 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 KCNMB2. AA range:151-200
Specificity	MaxiK β 2 Polyclonal Antibody detects endogenous levels of MaxiK β 2 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-2
Gene Name	KCNMB2
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	30kD
Human Gene ID	10242
Human Swiss-Prot Number	Q9Y691
Alternative Names	KCNMB2; Calcium-activated potassium channel subunit beta-2; BK channel subunit beta-2; BKbeta2; Hbeta2; Calcium-activated potassium channel; subfamily M subunit beta-2; Charybdotoxin receptor subunit beta-2; Hbeta3; K(VCA)beta-2; Maxi K cha MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are
Background	

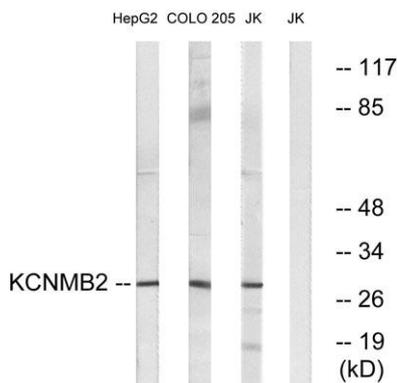




fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels can be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which decreases the activation time of MaxiK alpha subunit currents. Alternative splicing results in multiple transcript variants of this gene. Additional variants are discussed in the literature, but their full length nature has not been described. [provided by RefSeq, Jul 2013],



Western Blot analysis of various cells using MaxiK β 2 Polyclonal Antibody diluted at 1:500

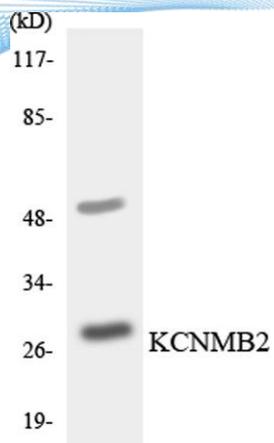


Western blot analysis of lysates from Jurkat, COLO, and HepG2 cells, using KCNMB2 Antibody. The lane on the right is blocked with the synthesized peptide.





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Western blot analysis of the lysates from HepG2 cells using KCNMB2 antibody.



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