



TASK-1 Polyclonal Antibody

Catalog No	YP-Ab-16532
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	KCNK3
Immunogen	The antiserum was produced against synthesized peptide derived from human TASK-1. AA range:47-96
Specificity	TASK-1 Polyclonal Antibody detects endogenous levels of TASK-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Potassium Channel PotassiumChannel TASK-1 TASK1IN1 TASK-1-IN-1;TASK-1;KCNK3;Potassium channel subfamily K member 3;TASK;TASK1;Acid-sensitive potassium channel protein TASK-1;TWIK-related acid-sensitive K(+) channel 1;Two pore potassium channel KT3.1;Two pore K(+) channel KT3.1
Observed Band	53kD
Calculated Molecular Weight	53kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Widespread expression in adult. Strongest expression in pancreas and placenta. Lower expression in brain, lung, prostate, heart, kidney, uterus, small intestine and colon.
Function	function:pH-dependent, voltage-insensitive, background potassium channel protein. Rectification direction results from potassium ion concentration on either side of the membrane. Acts as an outward rectifier when external potassium concentration is low. When external potassium concentration is high, current is inward.,miscellaneous:Inhibited by external acidification. Activated by halothane and isoflurane.,similarity:Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.,tissue specificity:Widespread expression in adult. Strongest



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Background

This gene encodes a member of the superfamily of potassium channel proteins that contain two pore-forming P domains. The encoded protein is an outwardly rectifying channel that is sensitive to changes in extracellular pH and is inhibited by extracellular acidification. Also referred to as an acid-sensitive potassium channel, it is activated by the anesthetics halothane and isoflurane. Although three transcripts are detected in northern blots, there is currently no sequence available to confirm transcript variants for this gene. [provided by RefSeq, Aug 2008],

matters needing attention

Avoid repeated freezing and thawing!

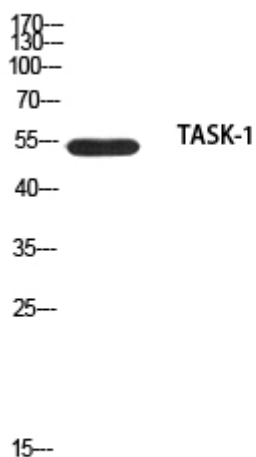
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

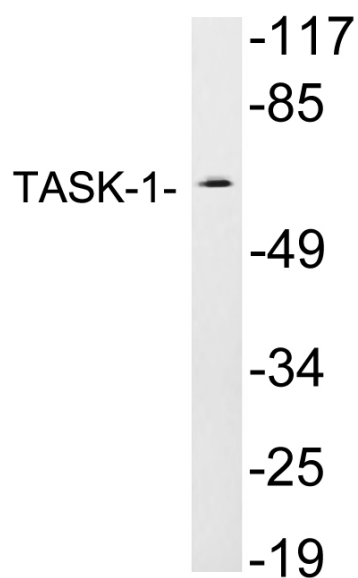


Products Images

MOUSE-BRAIN



Western blot analysis of mouse-brain using TASK-1 antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from JAR cells, using TASK-1 antibody.