

AB-NN273-1

TASK1 Potassium Channel Antibody

Pan-specific monoclonal antibody (S374-48) for monitoring the expression of rat TASK1 Potassium Channel



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Potassium channel subfamily K member 3
Alias:	Potassium channel subfamily K member 3, KCNK3, Acid sensitive potassium channel protein TASK 1, Cardiac two pore background K(+) channel, cTBAK 1, K2p3.1, KCNK9, OAT1, potassium channel subfamily K member 3, rTASK, TASK 1, TBAK1, TWIK related acid sensitive K+ channel, Two pore potassium channel KT3.1, Two pore K(+) channel KT3.1
UniProt ID:	O54912 - Rat
Human Predicted Mass (kDa):	43.518 (394 AA; O14649-1)
Observed SDS-PAGE Mass (kDa):	50

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 251-411 (cytoplasmic C-terminus) of rat Acid-sensitive potassium channel protein TASK or TASK1. Mouse: 96% identity (156/161 amino acids identical). Human: 76% identity (163/161 amino acids identical). <30% identity with TASK3.
-----------------------------------	--

Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG2b
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-473 was sufficient for detection of TASK1 Potassium Channel in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~50 kDa protein.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	Does not cross-react with TASK3.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987