

Product Datasheet

TREK 1 Antibody - BSA Free NB110-41535

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB110-41535

TREK 1 Antibody - BSA Free

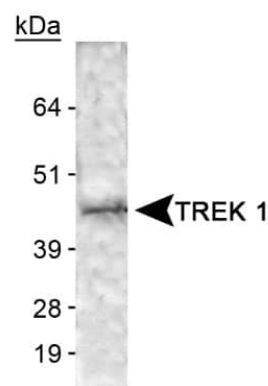
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	3776
Gene Symbol	KCNK2
Species	Human, Mouse, Bovine
Reactivity Notes	88% sequence identity with rat protein.
Immunogen	A synthetic peptide made to an N-terminal region of human TREK 1 (within residues 1-100). [Swiss-Prot# Q9NRT2]

Product Application Details	
Applications	Western Blot, ICC/IF (Negative), Immunohistochemistry (Negative)
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry (Negative), ICC/IF (Negative)
Application Notes	This TREK 1 antibody is useful inThis TREK 1 antibody is useful for Western Blot where a band is seen ~47 kDa. Please note that it is essential to run against membrane preps. This antibody is not recommended for Immunohistochemistry or Immunocytochemisrty.

Images

Western Blot: TREK 1 Antibody [NB110-41535] - Detection of TREK 1 in membrane lysate fraction of human brain tissue.

**Publications**

Zhang M, Yin HJ, Wang WP et al. Over-expressed human TREK-1 inhibits CHO cell proliferation via inhibiting PKA and p38 MAPK pathways and subsequently inducing G1 arrest. Acta Pharmacol Sin 2016-09-01 [PMID: 27397543] (WB)

Procedures

Western Blot protocol for TREK 1 Antibody (NB110-41535)

TREK 1 Antibody:

Western Blot Protocol

1. Perform SDS-PAGE (4-12%) on samples to be analyzed, loading 35 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH₂O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% non-fat dry milk + 1% BSA in TBS, 1 hour at room temperature.
6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the rabbit anti-TREK 1 primary antibody (NB110-41535) in blocking buffer and incubate 2 hours at room temperature.
8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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Products Related to NB110-41535

NBL1-12182	TREK 1 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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