

Product datasheet

Anti-KCNT1/SLACK antibody ab167027

[1 Image](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-KCNT1/SLACK antibody |
| Description | Rabbit polyclonal to KCNT1/SLACK |
| Host species | Rabbit |
| Tested applications | Suitable for: IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide corresponding to Human KCNT1/SLACK (C terminal). |
| Positive control | Human Brain, Cortex, Cell Processes. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at -20°C. |
| Storage buffer | <p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.88% Sodium chloride</p> <p>PBS without Mg²⁺ and Ca²⁺.</p> |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab167027 in the following tested applications.

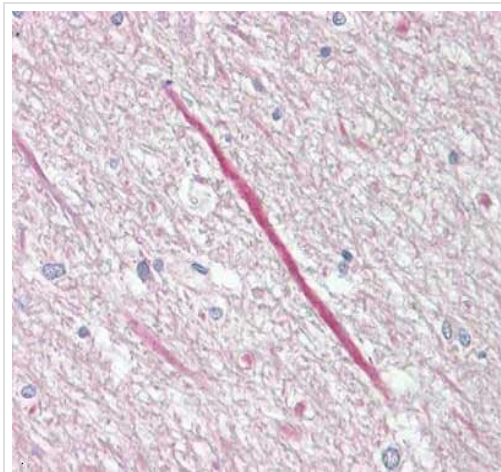
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---------------------------------|
| IHC-P | | Use a concentration of 5 µg/ml. |

Target

| | |
|---|--|
| Function | Outwardly rectifying potassium channel subunit that may co-assemble with other Slo-type channel subunits. Activated by high intracellular sodium or chloride levels. Activated upon stimulation of G-protein coupled receptors, such as CHRM1 and GRIA1. May be regulated by calcium in the absence of sodium ions (in vitro). |
| Tissue specificity | Highest expression in liver, brain and spinal cord. Lowest expression in skeletal muscle. |
| Sequence similarities | Belongs to the potassium channel family. Calcium-activated (TC 1.A.1.3) subfamily. KCa4.1/KCNT1 sub-subfamily. Contains 1 RCK N-terminal domain. |
| Post-translational modifications | Phosphorylated by protein kinase C. Phosphorylation of the C-terminal domain increases channel activity. |
| Cellular localization | Cell membrane. |

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human brain cortex, cell processes labeling KCNT1/SLACK with ab167027 at 5 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KCNT1/SLACK antibody (ab167027)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors