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LRRC8B Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP13978a

Specification

LRRC8B Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q6P9F7

LRRC8B Antibody (N-term) Blocking peptide - Additional Information

Gene ID 23507

Other Names
Volume-regulated anion channel subunit LRRC8B, Leucine-rich repeat-containing protein 8B, T-cell activation leucine repeat-rich protein, TA-LRRP, LRRC8B, KIAA0231

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13978a was selected from the N-term region of LRRC8B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LRRC8B Antibody (N-term) Blocking peptide - Protein Information

Name LRRC8B {ECO:0000303|PubMed:22532330, ECO:0000312|HGNC:HGNC:30692}

Function
Non-essential component of the volume-regulated anion channel (VRAC, also named VSOAC channel), an anion channel required to maintain a constant cell volume in response to extracellular or intracellular osmotic changes (PubMed:24790029, PubMed:26824658, PubMed:28193731). The VRAC channel conducts iodide better than chloride and can also conduct organic osmolytes like taurine. Channel activity requires LRRC8A plus at least one other family member (LRRC8B, LRRC8C, LRRC8D or LRRC8E); channel characteristics depend on the precise subunit composition (PubMed:24790029, PubMed:26824658, PubMed:28193731).

Cellular Location
Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane. Note=In the absence of LRRC8A, resides primarily in a cytoplasmic compartment, probably the endoplasmic reticulum. Requires LRRC8A for expression at the cell membrane

LRRC8B Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

LRRC8B Antibody (N-term) Blocking peptide - Images

LRRC8B Antibody (N-term) Blocking peptide - Background

The exact function of LRRC8B remains unknown.

LRRC8B Antibody (N-term) Blocking peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Kubota, K., et al. FEBS Lett. 564 (1-2), 147-152 (2004) :Robertson, N.G., et al. Genomics 23(1):42-50(1994)