

LRRC8B Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13978a**Specification**

LRRC8B Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q6P9F7
Other Accession	NP_001127948.1 , NP_056165.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	92390
Antigen Region	223-252

LRRC8B Antibody (N-term) - 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

This LRRC8B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 223-252 amino acids from the N-terminal region of human LRRC8B.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LRRC8B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LRRC8B Antibody (N-term) - 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

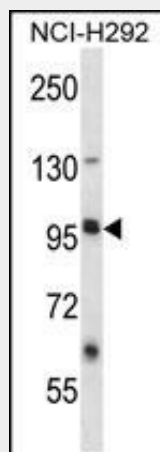
Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane. Note=In the absence of LRRC8A, resides primarily in a cytoplasmic compartment, probably the endoplasmic reticulum. Requires LRRC8A for expression at the cell membrane

LRRC8B Antibody (N-term) - Protocols

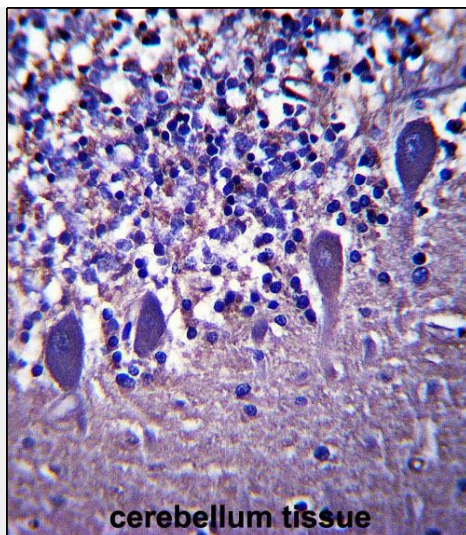
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LRRC8B Antibody (N-term) - Images



LRRC8B Antibody (N-term) (Cat. #AP13978a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the LRRC8B antibody detected the LRRC8B protein (arrow).



LRRC8B Antibody (N-term) (Cat. #AP13978a) immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of LRRC8B Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

LRRC8B Antibody (N-term) - Background

The exact function of LRRC8B remains unknown.

LRRC8B Antibody (N-term) - 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)