

LRR33 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10317b

Specification

LRR33 Antibody (C-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	Q86YC3
Other Accession	NP_940967.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	76366
Antigen Region	611-640

LRR33 Antibody (C-term) - Additional Information

Gene ID 375387

Other Names

Negative regulator of reactive oxygen species, Leucine-rich repeat-containing protein 33, NRROS, LRR33

Target/Specificity

This LRR33 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 611-640 amino acids from the C-terminal region of human LRR33.

Dilution

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

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

LRR33 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LRR33 Antibody (C-term) - Protein Information

Name NRROS ([HGNC:24613](#))

Function Key regulator of transforming growth factor beta-1 (TGFB1) specifically required for microglia function in the nervous system (By similarity). Required for activation of latent TGF-beta-1 in macrophages and microglia: associates specifically via disulfide bonds with the Latency-associated peptide (LAP), which is the regulatory chain of TGFB1, and regulates integrin-dependent activation of TGF- beta-1 (By similarity). TGF-beta-1 activation mediated by LRRC33/NRROS is highly localized: there is little spreading of TGF-beta-1 activated from one microglial cell to neighboring microglia, suggesting the existence of localized and selective activation of TGF-beta-1 by LRRC33/NRROS (By similarity). Indirectly plays a role in Toll-like receptor (TLR) signaling: ability to inhibit TLR-mediated NF-kappa-B activation and cytokine production is probably a consequence of its role in TGF-beta-1 signaling (PubMed:[23545260](#)).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein

Tissue Location

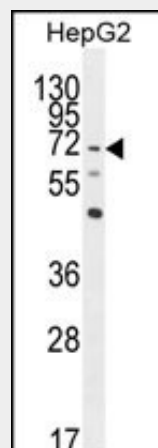
Mainly expressed in cells of hematopoietic origin (PubMed:29909984). Highly expressed in bone marrow, thymus, liver, lung, intestine and spleen (PubMed:23545260). In the brain, highly expressed in microglia (PubMed:32100099).

LRRC33 Antibody (C-term) - Protocols

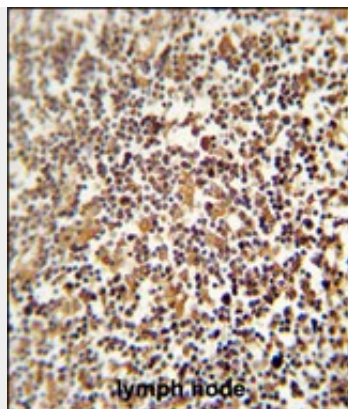
Provided below are standard protocols that you may find useful for product applications.

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

LRRC33 Antibody (C-term) - Images



LRRC33 Antibody (C-term) (Cat. #AP10317b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the LRRC33 antibody detected the LRRC33 protein (arrow).



LRR33 antibody (C-term) (Cat. #AP10317b) immunohistochemistry analysis in formalin fixed and paraffin embedded human lymph node followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LRR33 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

LRR33 Antibody (C-term) - References

Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)