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LRRC33 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10317b

Specification

LRRC33 Antibody (C-term) - Product Information

Application	**WB, IHC-P,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**

LRRC33 Antibody (C-term) - Additional Information

Gene ID 375387

Other Names
Negative regulator of reactive oxygen species, Leucine-rich repeat-containing protein 33, NRROS, LRRC33

Target/Specificity
This LRRC33 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 611-640 amino acids from the C-terminal region of human LRRC33.

Dilution
WB~~1:1000
IHC-P~~1:50~100

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
LRRC33 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LRRC33 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

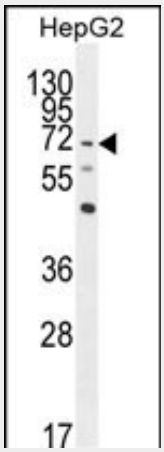
Tissue Location
Mainly expressed in cells of hematopoietic origin (PubMed:29909984). Highly expressed in bone marrow, thymus, liver, lung, intestine and spleen (PubMed:23545260). In the brain, highly expressed in microglia (PubMed:32100099).

LRRC33 Antibody (C-term) - Protocols

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

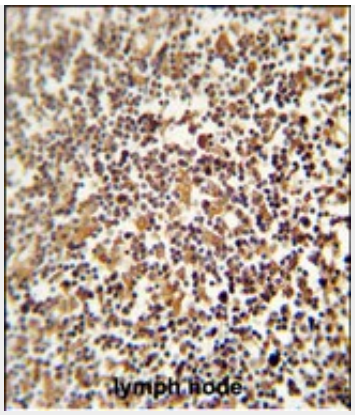
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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).

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LRRC33 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 LRRC33 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

LRRC33 Antibody (C-term) - References

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