

GPR132 / G2A Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10413**Specification**

GPR132 / G2A Antibody (Cytoplasmic Domain) - Product Information

| | |
|-------------------|------------------------|
| Application | IHC |
| Primary Accession | Q9UNW8 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 42kDa KDa |

GPR132 / G2A Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 29933**Other Names**

Probable G-protein coupled receptor 132, G2 accumulation protein, GPR132, G2A

Target/Specificity

Human GPR132 / G2A. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

GPR132 / G2A Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR132 / G2A Antibody (Cytoplasmic Domain) - Protein Information**Name** GPR132**Synonyms** G2A**Function**

May be a receptor for oxidized free fatty acids derived from linoleic and arachidonic acids such as 9-hydroxyoctadecadienoic acid (9-HODE). Activates a G alpha protein, most likely G alpha(q). May be involved in apoptosis. Functions at the G2/M checkpoint to delay mitosis. May function as a sensor that monitors the oxidative states and mediates appropriate cellular responses such as secretion of paracrine signals and attenuation of proliferation. May mediate the accumulation of intracellular inositol phosphates at acidic pH through proton-sensing activity.

Cellular Location

Cell membrane; Multi-pass membrane protein. Note=Internalized and accumulated in endosomal compartments. LPC triggers the relocalization from the endosomal compartment to the cell

surface (By similarity).

Tissue Location

Highly expressed in macrophages and hematopoietic tissues rich in lymphocytes, like spleen and thymus. Weakly expressed in heart and lung. In atherosclerotic plaques, expression is observed around the lipid core and at the shoulder region

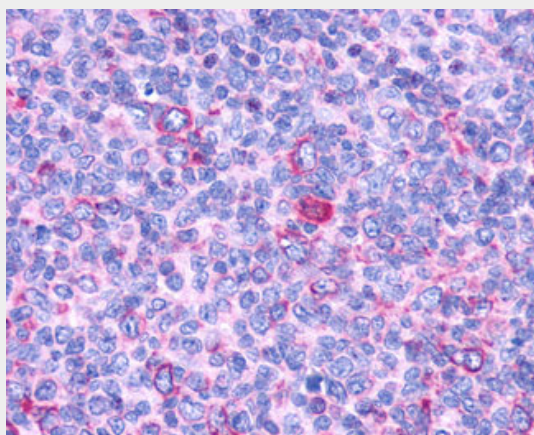
Volume

50 µl

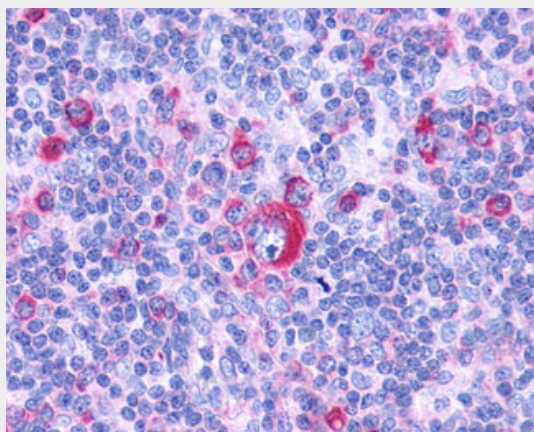
GPR132 / G2A Antibody (Cytoplasmic Domain) - Protocols

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

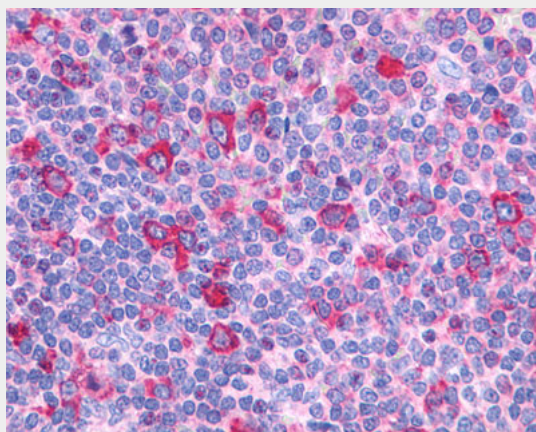
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR132 / G2A Antibody (Cytoplasmic Domain) - Images

Anti-GPR132 / G2A antibody IHC of human Lymph Node, Non-Hodgkins Lymphoma.



Anti-GPR132 / G2A antibody IHC of human Lymph Node, Hodgkins Lymphoma.



Anti-GPR132 / G2A antibody ALS10413 IHC of human spleen.

GPR132 / G2A Antibody (Cytoplasmic Domain) - Background

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GPR132 / G2A Antibody (Cytoplasmic Domain) - References

Weng Z.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:12334-12339(1998).
Ogawa A.,et al.J. Pharmacol. Exp. Ther. 332:469-478(2010).
Kaighin V.A.,et al.Submitted (DEC-2007) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).