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

Specification

GPR132 / G2A Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC-P**
Primary Accession	Q9UNW8
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42kDa KDa**
Dilution	**IHC-P~~N/A**

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 ths 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

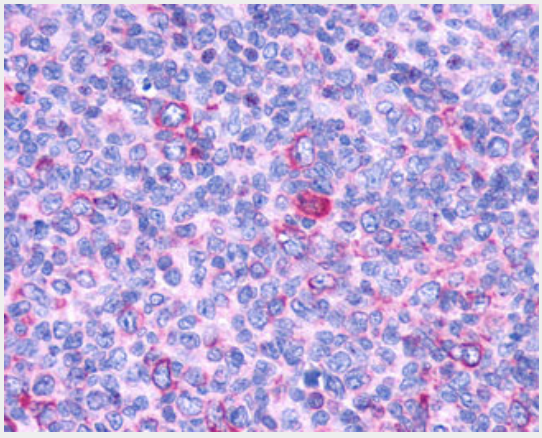
Volume
50 µl

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 Cytomety
- Cell Culture

GPR132 / G2A Antibody (Cytoplasmic Domain) - Images



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

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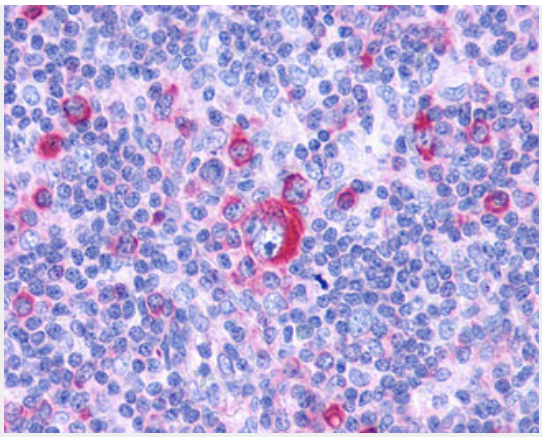
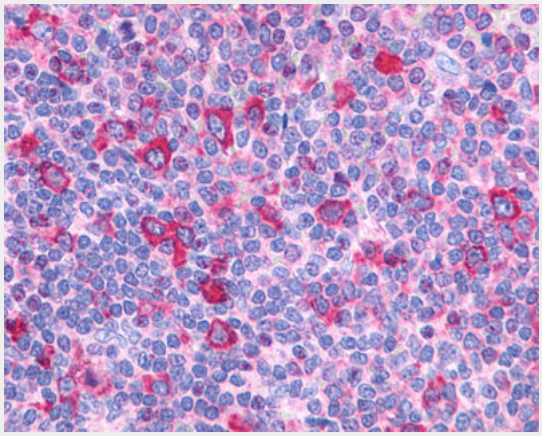


Anti-GPR132 / G2A antibody IHC of human Lymph Node, Hodgkins Lymphoma.



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

GPR132 / G2A Antibody (Cytoplasmic Domain) - Background

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 ths accumulation of intracellular inositol phosphates at acidic pH through proton- sensing activity.

GPR132 / G2A Antibody (Cytoplasmic Domain) - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).