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G2A Polyclonal Antibody

Catalog # AP69990

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q9UNW8
Reactivity	Human, Mouse, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42499

Additional Information

Gene ID	29933
Other Names	GPR132; G2A; Probable G-protein coupled receptor 132; G2 accumulation protein
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

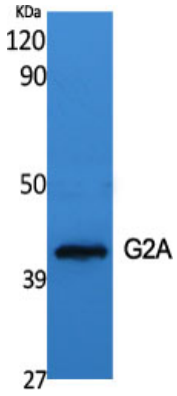
Name	GPR132
Synonyms	G2A
Function	May be a receptor for oxidized free fatty acids derived from linoleic and arachidonic acids such as 9-hydroxyoctadecadienoic acid (9-HODE). Activates a G alpha protein, most likely G alpha(q). May be involved in apoptosis. Functions at the G2/M checkpoint to delay mitosis. 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

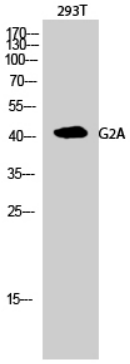
Background

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Images



Western Blot analysis of various cells using G2A Polyclonal Antibody diluted at 1：500



Western Blot analysis of 293T cells using G2A Polyclonal Antibody diluted at 1：500

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.