

Anti-GPR132 Antibody

Catalog # AP59837

Product Information

Application	WB, IF/IC
Primary Accession	Q9UNW8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42499

Additional Information

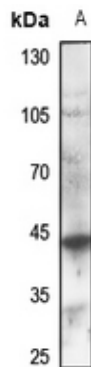
Gene ID	29933
Other Names	G2A; Probable G-protein coupled receptor 132; G2 accumulation protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GPR132. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

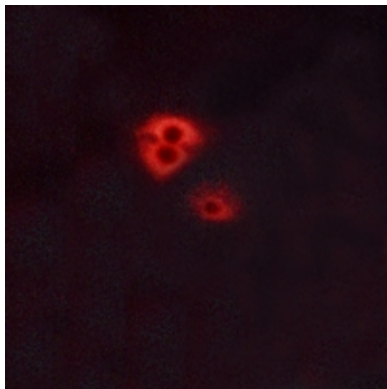
Name	GPR132
Synonyms	G2A
Function	May be a receptor for oxidized free fatty acids derived from linoleic and arachidonic acids such as 9-hydroxyoctadecadienoic acid (9-HODE). Activates a G alpha protein, most likely G alpha(q). May be involved in apoptosis. Functions at the G2/M checkpoint to delay mitosis.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

Images



Western blot analysis of GPR132 expression in HeLa (A) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 42 kD)



Immunofluorescent analysis of GPR132 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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