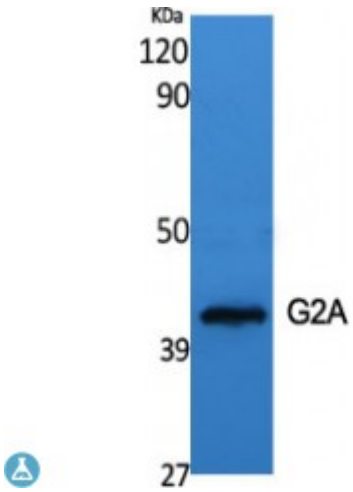
Anti-G2A antibody



Description	Rabbit polyclonal to G2A.

Model	STJ93172
Host	Rabbit
Reactivity	Human, Mouse, Simian
Applications	ELISA, IF, WB
Immunogen	Synthesized peptide derived from human G2A
Immunogen Region	270-350 aa, C-terminal
Gene ID	29933
Gene Symbol	GPR132
Dilution range	WB 1:500-1:2000IF 1:200-1:1000ELISA 1:5000
Specificity	G2A Polyclonal Antibody detects endogenous levels of G2A protein.
Tissue Specificity	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Probable G-protein coupled receptor 132 G2 accumulation protein
Molecular Weight	42 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:17482OMIM:606167
Alternative Names	Probable G-protein coupled receptor 132 G2 accumulation protein
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 Localization	Cell membrane. Internalized and accumulated in endosomal compartments. LPC triggers the relocalization from the endosomal compartment to the cell surface .