

## G2A rabbit pAb

**Cat#: orb765258 (Manual)**

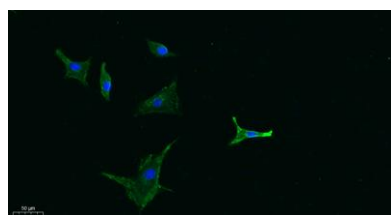
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<b>Product Name</b>	G2A rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Monkey
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. IF 1:100-300 Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GPR132. AA range:293-342
<b>Specificity</b>	G2A Polyclonal Antibody detects endogenous levels of G2A protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Probable G-protein coupled receptor 132
<b>Gene Name</b>	GPR132
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein . Internalized and accumulated in endosomal compartments. LPC triggers the relocalization from the endosomal compartment to the cell surface (By similarity). .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

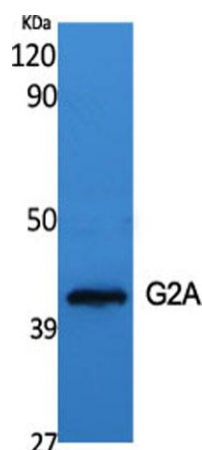
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	42kD
<b>Human Gene ID</b>	29933
<b>Human Swiss-Prot Number</b>	Q9UNW8
<b>Alternative Names</b>	GPR132; G2A; Probable G-protein coupled receptor 132; G2 accumulation protein

### Background

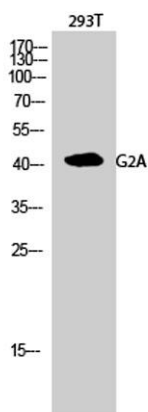
This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein was reported to be a receptor for lysophosphatidylcholine action, but PubMedID: 15653487 retracts this finding and instead suggests this protein to be an effector of lysophosphatidylcholine action. This protein may have proton-sensing activity and may be a receptor for oxidized free fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],



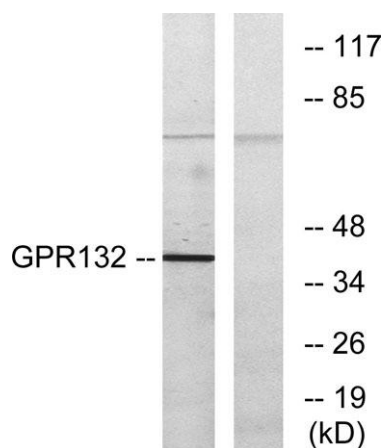
**Immunofluorescence analysis of A549.** 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



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



Western blot analysis of lysates from COS7 cells, using GPR132 Antibody. The lane on the right is blocked with the synthesized peptide.