



GPR27 Polyclonal Antibody

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|---------------------------|---|
| Catalog No | YP-Ab-13329 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat |
| Applications | WB;IF;ELISA |
| Gene Name | GPR27 |
| Protein Name | Probable G-protein coupled receptor 27 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human GPR27. AA range:181-230 |
| Specificity | GPR27 Polyclonal Antibody detects endogenous levels of GPR27 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | GPR27; SREB1; Probable G-protein coupled receptor 27; Super conserved receptor expressed in brain 1 |
| Observed Band | 39kD |
| Cell Pathway | Cell membrane ; Multi-pass membrane protein . |
| Tissue Specificity | Highly expressed as a 3.0 kb transcript in brain, ovary, testis, heart, prostate and peripheral Leukocytes. Lower levels in pancreas and small intestine. A 2.3 kb transcript was also found in peripheral Leukocytes. In brain regions, detected as a 3.0 kb transcript in all regions tested. Highest levels in the caudate nucleus, putamen, hippocampus and subthalamic nucleus. Lowest level in the cerebellum. |
| Function | function:Orphan receptor. Possible candidate for amine-like G-protein coupled receptor.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Highly expressed as a 3.0 kb transcript in brain, ovary, testis, heart, prostate and peripheral Leukocytes. Lower levels in pancreas and small intestine. A 2.3 kb transcript was also found in peripheral Leukocytes. In brain regions, detected as a 3.0 kb transcript in all regions tested. Highest levels in the caudate nucleus, putamen, hippocampus and subthalamic nucleus. Lowest level in the cerebellum., |
| Background | GPR27 is a member of the G protein-coupled receptors (GPCRs), a large family of receptors that have a similar structure characterized by 7 transmembrane |



domains. Activation of GPCRs by extracellular stimuli such as neurotransmitters, hormones, or light induces an intracellular signaling cascade mediated by heterotrimeric GTP-binding proteins, or G proteins.[supplied by OMIM, May 2010],

matters needing attention

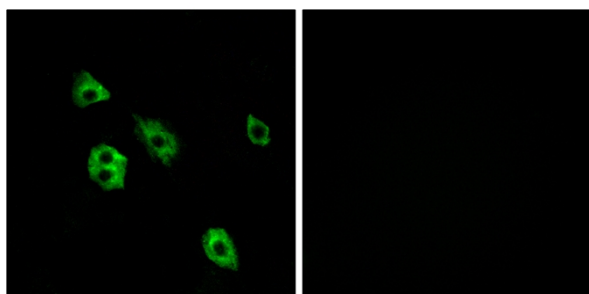
Avoid repeated freezing and thawing!

Usage suggestions

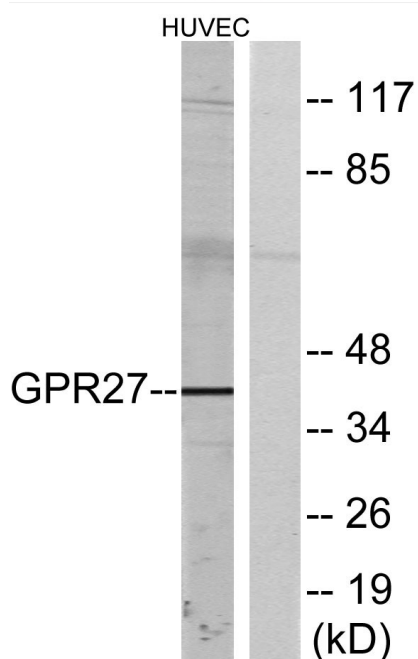
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



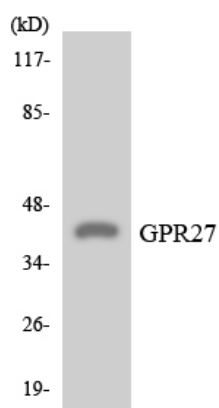
Products Images



Immunofluorescence analysis of A549 cells, using GPR27 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using GPR27 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using GPR27 antibody.