10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-GPR27 Antibody

Catalog # AP53993

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9NS67
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39818

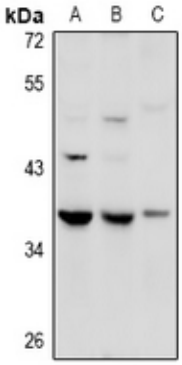
Additional Information

Gene ID	2850
Other Names	SREB1; Probable G-protein coupled receptor 27; Super conserved receptor expressed in brain 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR27. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1:100~500 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

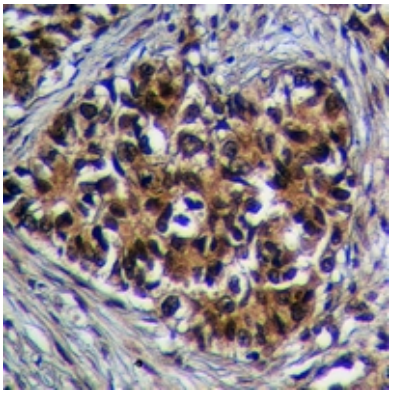
Protein Information

Name	GPR27
Synonyms	SREB1
Function	Orphan receptor. Possible candidate for amine-like G protein coupled receptor.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	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

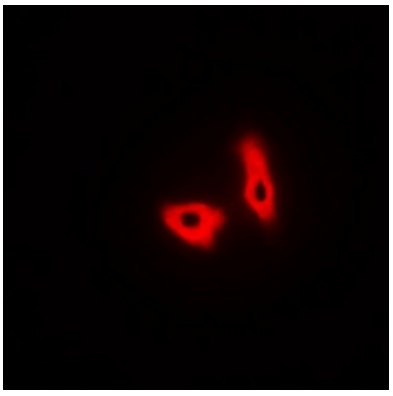
Images



Western blot analysis of GPR27 expression in HEK293T (A), SGC7901 (B), mouse lung (C) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 36 kD)



Immunohistochemical analysis of GPR27 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of GPR27 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 hidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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