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Anti-mPR gamma Antibody

Catalog # AP54129

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9NXK6
Reactivity	Human, Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38014

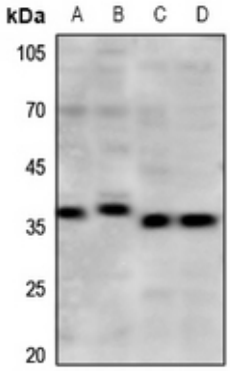
Additional Information

Gene ID	54852
Other Names	MPRG; Membrane progestin receptor gamma; mPR gamma; Progestin and adipoQ receptor family member 5; Progestin and adipoQ receptor family member V
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human mPR gamma. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 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

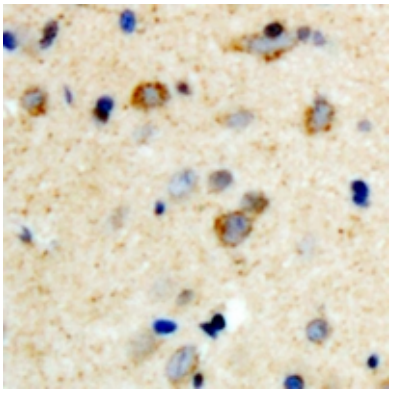
Protein Information

Name	PAQR5 (HGNC:29645)
Synonyms	MPRG
Function	Plasma membrane progesterone (P4) receptor coupled to G proteins (PubMed:23763432). Seems to act through a G(i) mediated pathway (PubMed:23763432). May be involved in oocyte maturation (PubMed:12601167).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in the brain, lung, kidney, colon, adrenal and lung.

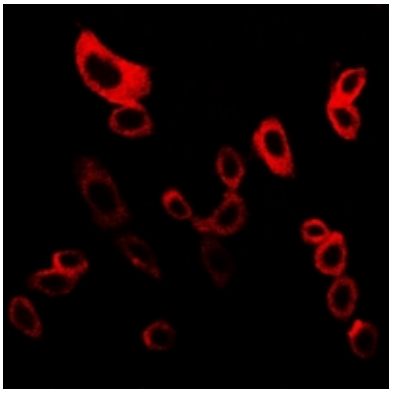
Images



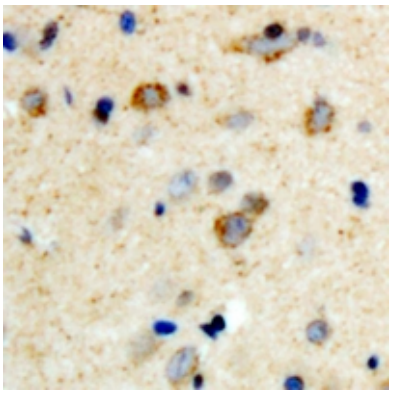
Western blot analysis of mPR gamma expression in Hela (A), HGC27 (B), mouse kidney (C), mouse lung (D) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 38 kD)



Immunohistochemical analysis of mPR gamma staining in human brain 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 mPR gamma staining in LOVO 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 a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of mPR gamma staining in human brain 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.

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