

# Anti-mPR gamma Antibody

Catalog # AP54129

## Product Information

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<b>Application</b>	WB, IF
<b>Primary Accession</b>	<a href="#">Q9NXX6</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	38014

## Additional Information

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<b>Gene ID</b>	54852
<b>Other Names</b>	MPRG; Membrane progesterin receptor gamma; mPR gamma; Progesterin and adipoQ receptor family member 5; Progesterin and adipoQ receptor family member V
<b>Target/Specificity</b>	Recognizes endogenous levels of mPR gamma protein.
<b>Dilution</b>	WB~~1/500 - 1/1000 IF~~1/50 - 1/200
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

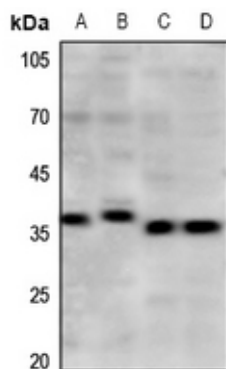
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<b>Name</b>	PAQR5 ( <a href="#">HGNC:29645</a> )
<b>Synonyms</b>	MPRG
<b>Function</b>	Plasma membrane progesterone (P4) receptor coupled to G proteins (PubMed: <a href="#">23763432</a> ). Seems to act through a G(i) mediated pathway (PubMed: <a href="#">23763432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

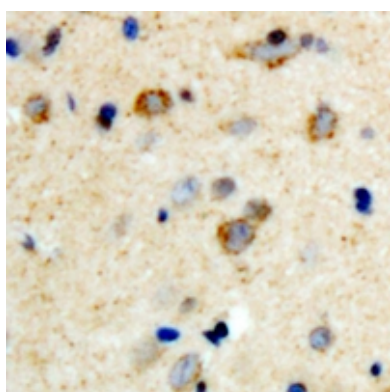
## Background

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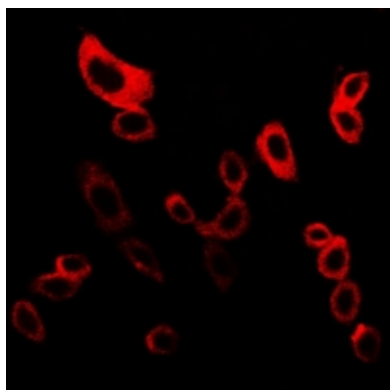
Rabbit polyclonal antibody to mPR gamma



Western blot analysis of mPR gamma expression in HeLa (A), HGC27 (B), mouse kidney (C), mouse lung (D) whole cell lysates.



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 humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-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'.