

Rabbit mPR alpha Polyclonal Antibody | anti-mPRalpha antibody

Anti-mPR alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA293344	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Western Blot

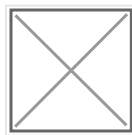
PRODUCT SYNONYMS

mPR alpha; Polyclonal Antibody; Anti-mPR alpha Antibody; MRPA; Membrane progesterin receptor alpha; Progesterin and adipoQ receptor family member 7; Progesterin and adipoQ receptor family member VII; anti-mPRalpha antibody

PRODUCT SPECIFICATIONS

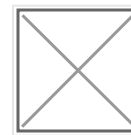
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of mPR alpha protein.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Applicable Applications for anti-mPRalpha antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Function	Plasma membrane progesterone (P4) receptor coupled to G proteins (PubMed:23763432). Seems to act through a G(i) mediated pathway (PubMed:). May be involved in oocyte maturation (PubMed:12601167). Involved in neurosteroid inhibition of apoptosis (PubMed:). Also binds dehydroepiandrosterone (DHEA), pregnanolone, pregnenolone and allopregnanolone (PubMed:23161870).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in a wide range of tissues including ovary, testis, placenta, uterus and bladder
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt

IMAGES



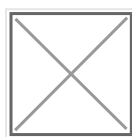
IF (Immunofluorescence)

Immunofluorescent analysis of mPR alpha 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 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. DAPI was used to stain the cell nuclei (blue)



IHC (Immunohistochemistry)

Immunohistochemical analysis of mPR alpha 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



WB (Western Blot)

Western blot analysis of mPR alpha expression in Hela (A), SGC7901 (B), HCT116 (C), U87MG (D), C6 (E), CT26 (F) whole cell lysates.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30410020
NCBI GeneID	164091
NCBI Accession #	NP_848509.1
NCBI GenBank Nucleotide #	NM_178422.5
UniProt Accession #	Q86WK9; Q5XKF9; Q86VE4; A2A2D3
Molecular Weight	Calculated MW: 39719
NCBI Official Full Name	membrane progesterin receptor alpha
NCBI Official Synonym Full Names	progesterin and adiponQ receptor family member VII
NCBI Official Symbol	PAQR7
NCBI Official Synonym Symbols	mSR; MPRA; PGLP
NCBI Protein Information	membrane progesterin receptor alpha; mPR alpha; 2310021M12Rik; progesterin and adiponQ receptor family member 7
UniProt Protein Name	Membrane progesterin receptor alpha
UniProt Gene Name	PAQR7
UniProt Synonym Gene Names	MRPA; mPR alpha
UniProt Entry Name	MPRA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mpr-alpha-antibody-immunocytochemistry-immunohistochemistry-immunofluorescence-western-blot-elisa/293344>