

GPRC5A / PEIG-1 / RAI3 / RAIG1 / TIG1 Antibody

Mouse Monoclonal Antibody [Clone GPRC5A/7893]

Catalog No	Format	Size
9052-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9052-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9052-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

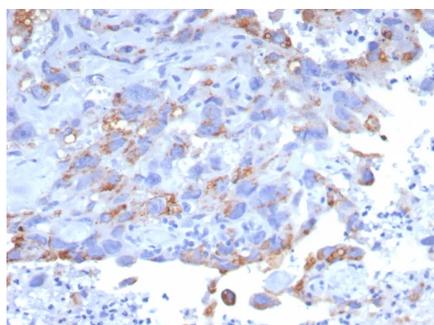
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

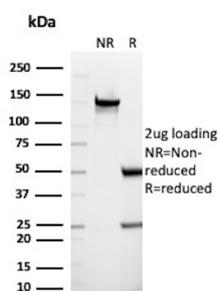
Clone	GPRC5A/7893
Gene Name	GPRC5A
Immunogen	Recombinant fragment (around aa200-357) of human GPRC5A protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	32kDa
Cellular Localization	Cell membrane, Cytoplasmic vesicle membrane
Species Reactivity	Human
Positive Control	Human lung or bladder.

*Optimal dilution for a specific application should be determined.

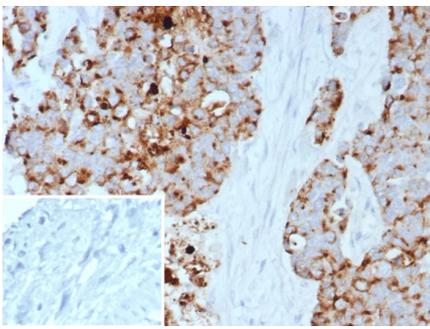
Product Images for GPRC5A / PEIG-1 / RAI3 / RAIG1 / TIG1 Antibody



Formalin-fixed, paraffin-embedded human bladder stained with GPRC5A Mouse Monoclonal Antibody (GPRC5A/7893). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified Retinoic acid-induced protein 3 Mouse Monoclonal Antibody (GPRC5A/7893). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human bladder carcinoma stained with GPRC5A Mouse Monoclonal Antibody (GPRC5A/7893). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Retinoic acid-induced protein 3 (RAI3) is a transmembrane G protein-coupled receptor that affects many essential biological processes including embryogenesis, cell growth, differentiation, and apoptosis. RAI3 may also be involved in maintaining homeostasis of epithelial cells. Retinoic acid receptors directly regulate RAI3 during its transcription in embryonal carcinoma differentiation. RAI3 expression is upregulated in most tumor cell lines that express mutant p53, suggesting that p53 interacts with the promoter of RAI3 and represses its expression at the beginning of apoptosis. RAI3 is a potential molecular target for diagnosing breast cancer, and selective suppression of signals from RAI3 may have a place in breast cancer treatments.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Neuroscience
