

NR5A2 / LRH1 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-NR5A2-1B8]

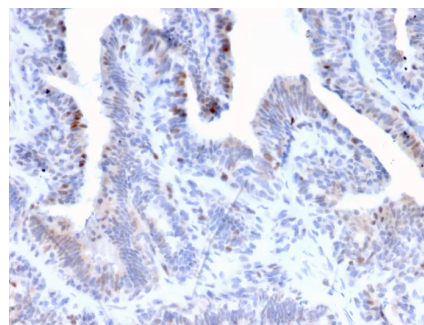
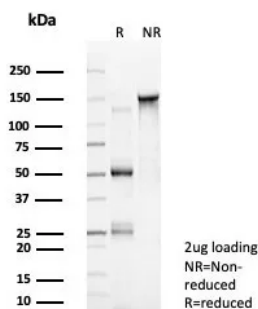
Catalog No	Format	Size
2494-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2494-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2494-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
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	PCR-P-NR5A2-1B8
Gene Name	NR5A2
Immunogen	Recombinant human NR5A2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	61/56/42kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	HeLa or MCF-7 cells.

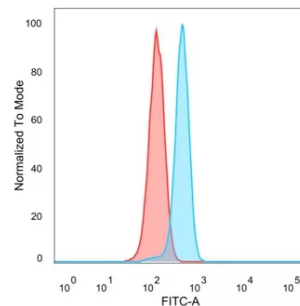
*Optimal dilution for a specific application should be determined.

Product Images for NR5A2 / LRH1 Antibody



SDS-PAGE Analysis. Purified NR5A2 Mouse Monoclonal Antibody (PCR-P-NR5A2-1B8). Confirmation of Integrity and Purity of Antibody.

Formalin-fixed, paraffin-embedded human prostate cancer stained with NR5A2 Mouse Monoclonal Antibody (PCR-P-NR5A2-1B8). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Analysis of Protein Array containing more than 19,000 full-length human proteins using NR5A2 Mouse Monoclonal Antibody (PCRPNR5A2-1B8). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Flow Cytometric Analysis of PFA-fixed HeLa cells. NR5A2 Mouse Monoclonal Antibody (PCRPNR5A2-1B8) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

NR5A2 (nuclear receptor subfamily 5, group A, member 2), also designated B1-binding factor (B1F or B1F2), CYP7A promoter-binding factor (CPF), fetoprotein-a 1 (AFP) transcription factor (FTF, FTZ-F1 or FTZ-F1b) and liver receptor homolog 1 (LRH-1), is a pre-adipocyte-specific nuclear receptor that regulates expression of aromatase in adipose tissue. NR5A2 belongs to the fushi tarazu factor-1 subfamily of orphan nuclear receptors. NR5A2 transcripts are abundant in the human ovary and testis and are predominantly expressed in tissues of endodermal origin. NR5A2 is a positive transcription factor for ABCG5 and ABCG8 and regulates genes involved in sterol and bile acid secretion from liver and intestine. It induces cell proliferation through the concomitant induction of cyclin D1 and E1, an effect that is potentiated by its interaction with β -catenin.

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

Cardiovascular, Developmental Biology, Signal Transduction, Transcription Factors

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.