

Mouse anti-Human Prolactin Monoclonal Antibody | anti-PRL antibody

Prolactin (Pituitary Tumor Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215163	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

Prolactin; Monoclonal Antibody; Prolactin (Pituitary Tumor Marker); Decidual prolactin; GHA1; Growth hormone A1; Lactogenic hormone; Luteotropic hormone; Mammotropin; PRL; Prolactin precursor; anti-PRL antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	PRL/2644
Specificity	Prolactin is a growth factor that is secreted by the anterior pituitary. It is necessary for the proliferation and differentiation of the mammary glands. Prolactin is useful in the classification of pituitary tumors and study of pituitary disease. It also plays a role in the development of mammary cancer, functioning dually as a mitogen and a differentiating agent.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	227
Applicable Applications for anti-PRL antibody	IHC (Immunohistochemistry)
Positive Control	Pituitary.
Immunogen	Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary)
Cellular Localization	Secreted
Hu-chromosome Location	6p22.3
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Prolactin Mouse Monoclonal Antibody (PRL/2644). 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 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.



SDS-PAGE

SDS-PAGE Analysis Purified Prolactin Mouse Monoclonal Antibody (PRL/2644). Confirmation of Purity and Integrity of Antibody



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Pituitary stained with Prolactin Mouse Monoclonal Antibody (PRL/2644).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Pituitary stained with Prolactin Mouse Monoclonal Antibody (PRL/2644).

ADDITIONAL INFORMATION

References	Goffin, V., et al. 1998. Prolactin: a hormone at the crossroads of neuroimmunoendocrinology. Ann. N.Y. Acad. Sci. 840: 498-509.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	254675133
NCBI GeneID	5617
NCBI Accession #	NP_001157030.1
NCBI GenBank Nucleotide #	NP_001157030.1
UniProt Accession #	P01236
Molecular Weight	27kDa
NCBI Official Full Name	prolactin
NCBI Official Synonym Full Names	prolactin
NCBI Official Symbol	PRL
NCBI Official Synonym Symbols	GHA1
NCBI Protein Information	prolactin
UniProt Protein Name	Prolactin
UniProt Gene Name	PRL
UniProt Synonym Gene Names	PRL
UniProt Entry Name	PRL_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.

