Datasheet for ABIN6940399

anti-Prolactin antibody (AA 63-201)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Prolactin (PRL)
Binding Specificity:	AA 63-201
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Prolactin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human Prolactin (PRL) protein (around aa 63-201) (exact sequence is proprietary)
Clone:	PRL-2642
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Prolactin (PRL)
Alternative Name:	PRL (PRL Products)
Background:	Prolactin is a growth factor that is secreted by the anterior pituitary. It is necessary for the

Target Details

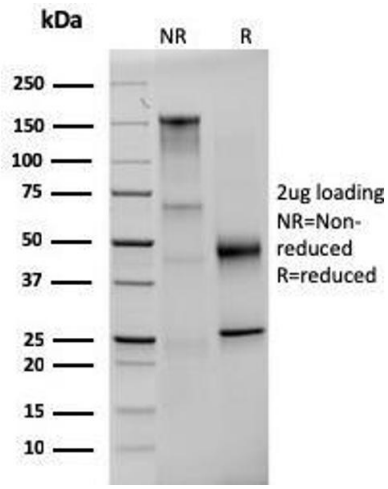
	proliferation and differentiation of the mammary glands. Prolactin is useful in the classification of pituitary tumors and study of pituitary disease. It also plays a role in the development of mammary cancer, functioning dually as a mitogen and a differentiating agent.
Molecular Weight:	27kDa
Gene ID:	5617
Pathways:	JAK-STAT Signaling, Peptide Hormone Metabolism, Response to Growth Hormone Stimulus, Protein targeting to Nucleus

Application Details

Application Notes:	Positive Control: Pituitary. Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

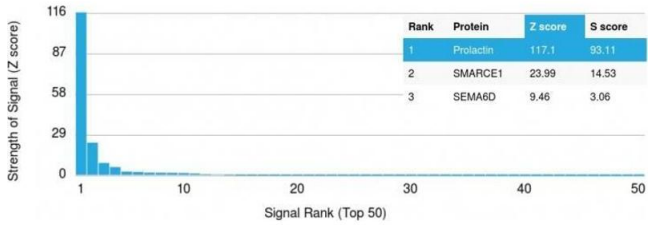
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



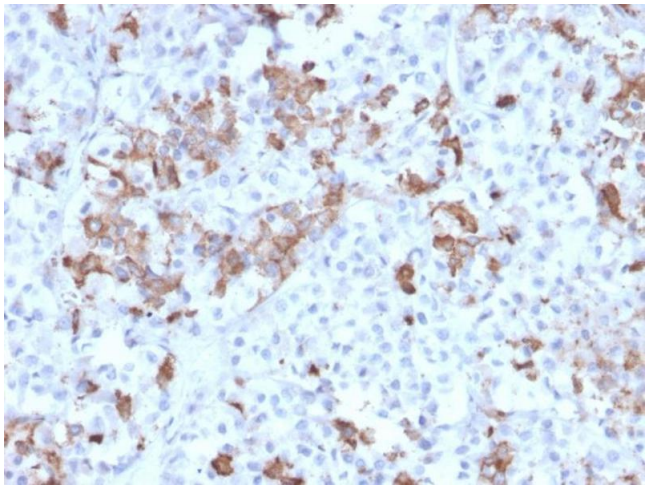
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Prolactin Mouse Monoclonal Antibody (PRL/2642). Confirmation of Purity and Integrity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Prolactin Mouse Monoclonal Antibody (PRL/2642). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Pituitary stained with Prolactin Mouse Monoclonal Antibody (PRL/2642).