abcam

Product datasheet

Anti-Prolactin/PRL antibody [PRL/2641] ab268110

2 Images

Overview

Product name	Anti-Prolactin/PRL antibody [PRL/2641]
Description	Mouse monoclonal [PRL/2641] to Prolactin/PRL
Host species	Mouse
Tested applications	**Suitable for:** IHC-P, Protein Array **Unsuitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment within Human Prolactin/PRL aa 63-201. The exact sequence is proprietary. Database link: **P01236**
Positive control	IHC-P: Human pituitary tissue.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor concentrate
Clonality	Monoclonal
Clone number	PRL/2641

Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab268110 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

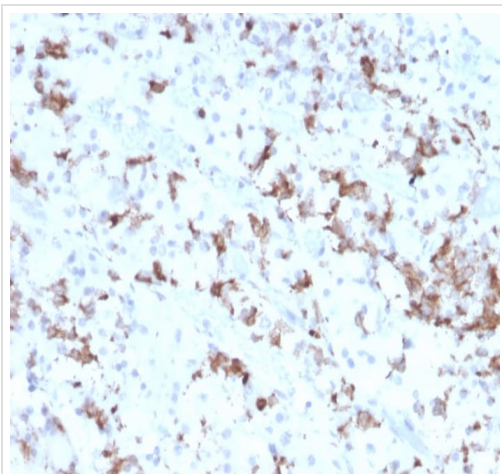| Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Protein Array		Use at an assay dependent concentration.

Application notes	Is unsuitable for WB.

Target

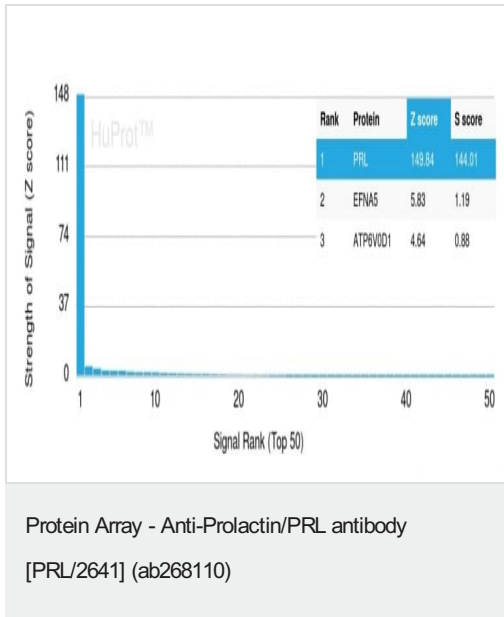| **Relevance**	Various hormones are secreted from the anterior pituitary during development and growth. Prolactin is a growth factor secreted by the anterior pituitary that is necessary for the proliferation and differentiation of the mammary glands.
Cellular localization	Secreted

Images

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prolactin/PRL antibody [PRL/2641] (ab268110)

Formalin-fixed, paraffin-embedded human pituitary tissue stained for Prolactin/PRL using ab268110 at 2 µg/ml in immunohistochemical analysis.

Protein Array - Anti-Prolactin/PRL antibody
[PRL/2641] (ab268110)

Protein Array containing more than 19,000 full-length human proteins using ab268110.

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 (SD's) above the mean value of all signals generated on that array. If targets on HuProt^{TM} 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 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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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