Recombinant Galectin-1 / Human Placental Lactogen (hPL) Antibody

Rabbit Monoclonal Antibody [Clone GAL1/2499R]

Catalog No	Format	Size
3956-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3956-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3956-RBM3-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

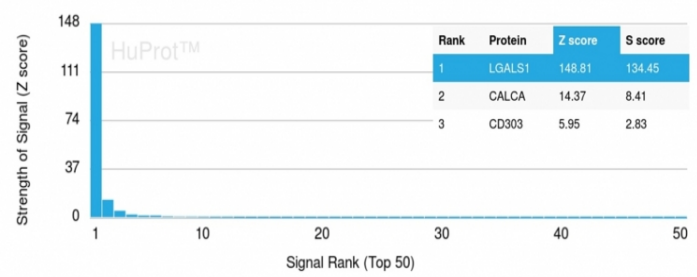
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

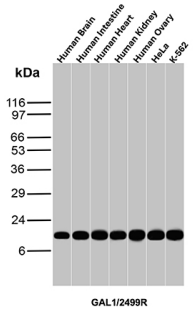
Clone	GAL1/2499R
Immunogen	Recombinant fragment (around aa12-108) of the human Galectin-1 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	14.72kDa
Cellular Localization	Cytoplasm, Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Human
Positive Control	Brain or Heart., HeLa, JEG-3, K562 or 293 cells. Prostate, Kidney, Placenta, Skin, Spleen, Stomach, Human Intestine, Human Ovary, K-562

**Optimal dilution for a specific application should be determined.*

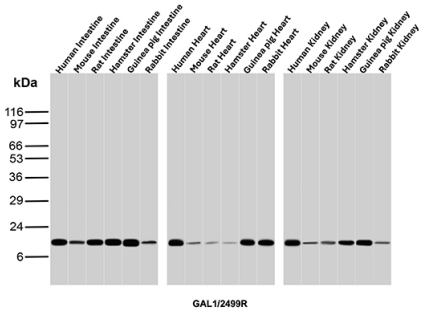
Product Images for Recombinant Galectin-1 / Human Placental Lactogen (hPL) Antibody



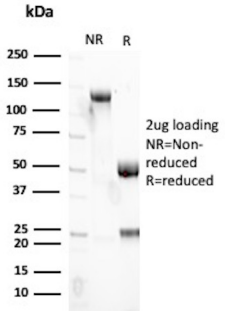
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Galectin-1 Monospecific Recombinant Rabbit Monoclonal Antibody (GAL1/2499R) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged 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 HuProtTM 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.



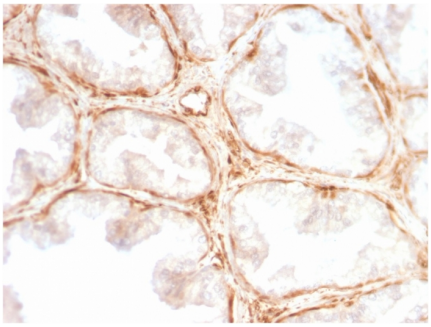
Western blot analysis of Human Brain, Human Intestine, Human Heart,Human Kidney, Human Ovary, Hela, and K-562 lysates using Galectin-1 Recombinant Rabbit Monoclonal Antibody (GAL1/2499R).



Western Blot Analysis of Human Intestine, Mouse Intestine, Rat Intestine, Hamster Intestine, Guinea Pig Intestine, Rabbit Intestine, Human Heart, Mouse Heart, Rat Heart, Hamster Heart, Guinea pig Heart, Rabbit Heart, Human Kidney, Mouse Kidney, Rat Kidney, Hamster Kidney, Guinea pig Kidney and Rabbit Kidney tissue lysates using Galectin-1 Recombinant Rabbit Monoclonal Antibody (GAL1/2499R).



SDS-PAGE Analysis of Purified Galectin-1 Recombinant Rabbit Monoclonal Antibody (GAL1/2499R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Galectin-1 Monospecific Recombinant Rabbit Monoclonal Antibody (GAL1/2499R).

Specificity & Comments

Galectin-1 is a member of the beta-galactoside-binding family and is a dimeric protein of 14kD participating in a variety of normal and pathological processes, including cancer progression. Galectin-1 can affect the proliferation of normal and malignant cells. Inhibition of cell growth is observed in a lactose-dependent manner as lower concentrations of the lectin stimulate cell proliferation. Galectin-1 may also be implicated in the induction of apoptosis of activated T cells through the binding of exogenous galectin-1 to CD45 molecules present on the surface of lymphocytes. Galectin-1, reported to be present either at the surface of cancer cells or accumulated around these cells could act as an immunological shield to protect against a T cell immune response and provide an advantage for survival.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. 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.

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.

2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com

NeoBiotechnologies
Your Partner in Proteome Research