

Datasheet for ABIN6939959

Recombinant anti-LGALS1/Galectin 1 antibody (AA 12-108)[Go to Product page](#)

5 Images

Overview

Quantity:	100 µg
Target:	LGALS1/Galectin 1 (LGALS1)
Binding Specificity:	AA 12-108
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This LGALS1/Galectin 1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa 12-108) of human Galectin-1 protein (exact sequence is proprietary)
Clone:	GAL1-2499R
Isotype:	IgG
Purification:	Purified by Protein A/G

Target Details

Target:	LGALS1/Galectin 1 (LGALS1)
Alternative Name:	LGALS1 (LGALS1 Products)

Target Details

Background: 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.

Molecular Weight: 14kDa

Gene ID: 3956

UniProt: [P09382](#)

Pathways: [Carbohydrate Homeostasis](#)

Application Details

Application Notes: Positive Control: HeLa, K562 or 293 cells. Prostate, Kidney, Placenta, Stomach, Skin, Spleen, Brain or Heart.
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Immunohistochemistry (Formalin-fixed) (0.5-1 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.

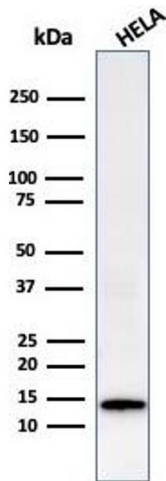
Storage: 4 °C,-80 °C

Handling

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.

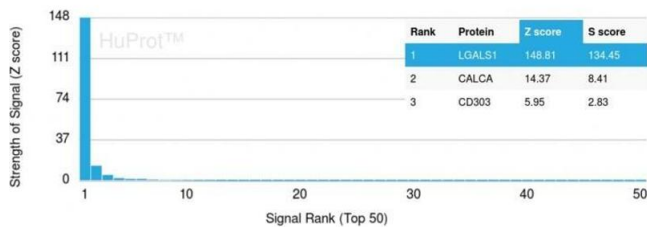
Expiry Date: 24 months

Images



Western Blotting

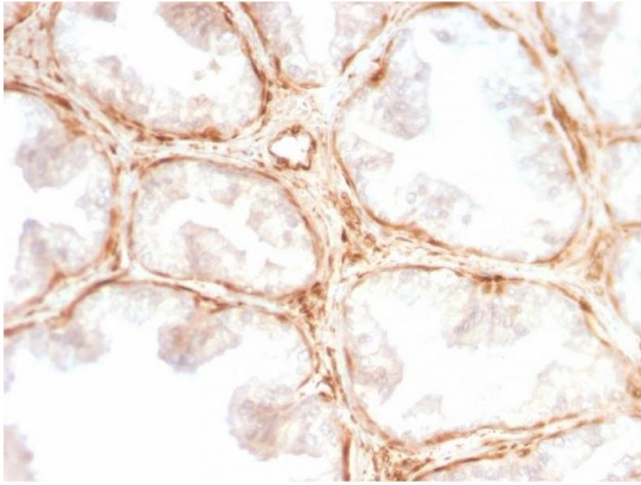
Image 1. Western Blot Analysis of HeLa cell lysate using Galectin-1 Monospecific Recombinant Rabbit Monoclonal Antibody (GAL1/2499R).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using 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 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 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 Prostate Carcinoma stained with Galectin-1 Monospecific Recombinant Rabbit Monoclonal Antibody (GAL1/2499R).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939959.