

Datasheet: VPA00080KT

Description:	GALECTIN-1 ANTIBODY WITH CONTROL LYSATE
Specificity:	GALECTIN-1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid
Preparation	20µl Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	<i>E.coli</i> derived recombinant human galectin-1.

External Database**Links****UniProt:**[P09382](#)[Related reagents](#)**Entrez Gene:**[3956](#)

LGALS1

[Related reagents](#)

Specificity

Rabbit anti Human galectin-1 antibody recognizes human galectin-1 (gal-1) also known lactose-binding lectin 1. Gal-1 is a member of the galectin family of beta-galactoside-binding proteins, which exhibits both intracellular and extracellular functions and is differentially expressed by a wide range of normal and neoplastic tissues.

Gal-1 has been implicated in several major cellular functions including proliferation, motility, hematopoietic cell differentiation, apoptosis promotion and immunoregulatory effects. The expression of gal-1 by neuronal and glial cells correlates with neuroregeneration following injury, and studies have shown the importance of gal-1 to primary sensory neurons and synaptic connections in the spinal cord, during embryonic development.

Rabbit anti Human galectin-1 antibody detects gal-1 as a single band of 13 kDa in a range of human cell line lysates. Cross reactivity with rodent cell lines is also observed.

Western Blotting

Rabbit anti galectin-1 detects a band of approximately 13 kDa in K562 cell lysates.

Instructions For Use

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Lysate Composition

400µg K562 lysate lyophilized in RIPA buffer.

Lysate Reconstitution

- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.

Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage

Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee

As supplied, 12 months from date of despatch.

Acknowledgements

PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information

Material Safety Datasheet documentation #10040 #10561 available at:

Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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