Datasheet: VPA00076KT

Description:	GALECTIN-3 ANTIBODY WITH CONTROL LYSATE
Specificity:	GALECTIN-3
Other names:	MAC-2
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.
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	Recombinant human galectin-3
External Database Links	**UniProt:** P17931 Related reagents **Entrez Gene:** 3958 LGALS3 Related reagents

Synonyms	MAC2
Specificity	**Rabbit anti Human galectin-3 antibody** recognizes human galectin-3, a member of the galectin family of beta-galactoside-binding proteins which are involved in both intracellular and extracellular functions and exhibit anti-apoptotic properties. Galectin-3 is implicated in many biological processes, including cell differentiation, growth, adhesion, angiogenesis and inflammation, and is expressed in a wide range of neoplasms. Galectin-3 acts as a regulator of tumor metastasis, and several studies have shown a correlation between levels of galectin-3 and tumor progression in liver, thyroid, colon, gastric and breast carcinomas, making galectin-3 an emerging cancer marker. Rabbit anti Human galectin-3 antibody detects a single band of 26 kDa in a range of human cell line lysates. Cross reactivity with rodent cell lines is also observed.
Western Blotting	Rabbit anti galectin-3 detects a band of approximately 26 kDa in MCF7 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 MCF7 lysate lyophilized in RIPA buffer.
Lysate Reconstitution	- If using DDT reconstitute the lyophilized lysate with 190µl DI H_2O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H_2O, 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 -20ºC, 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.
Shelf Life	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
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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