

# Galectin 1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Guinea pig
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Full length human Galectin 1 Recombinant protein.
Form	Liquid
Concentration	1.48 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2548180

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:20,000	1 Publication
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-
Immunoprecipitation (IP)	1:100-1:500	-

## Product Specific Information

Recommended positive controls: K562, THP-1, HL-60, 293T, NCI-H929, BCL-1, PC-12, Rat2.

Predicted reactivity: Mouse (88%), Rat (90%), Dog (82%), Pig (85%), Sheep (85%), Rhesus Monkey (97%), Bovine (86%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

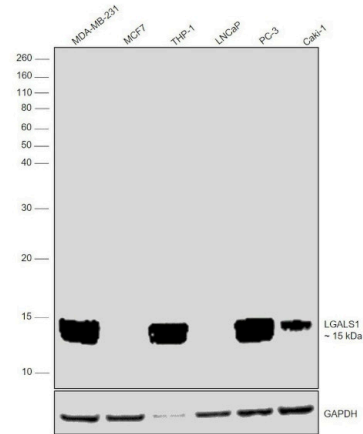
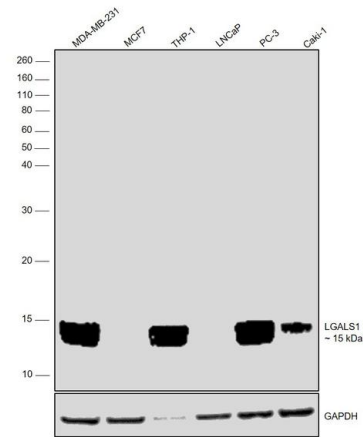
Product Images For Galectin 1 Polyclonal Antibody

Galectin 1 Antibody (PA5-30706) in WB

Western blot was performed using Anti-Galectin 1 Polyclonal Antibody (Product # PA5-30706) and a 15kDa band corresponding to Galectin 1 was observed in MDA-MB-231, THP-1, PC-3 and Caki-1 but not in MCF7, LNCaP. Whole cell extracts (30 µg lysate) of MDA-MB-231 (Lane 1), MCF7 (Lane 2), THP-1 (Lane 3), LNCaP (Lane 4), PC-3 (Lane 5) and Caki-1 (Lane 6) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0341BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:15000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036,1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Increased expression of Galectin-1 is seen in triple negative breast cancer (TNBC) (like MDA-MB-231) for promoting metastasis but not in non-TNBC like MCF7 [10.18632/oncotarget.16208] and in androgen unresponsive PC-3 cells in comparison to androgen responsive LNCaP [10.1155/2013/519436].

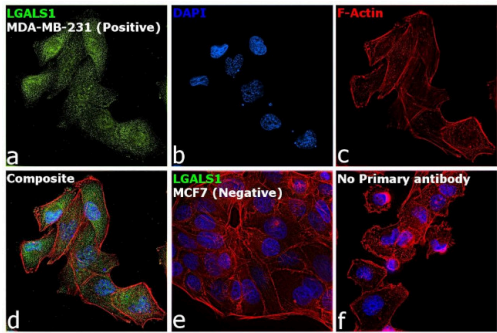
Galectin 1 Antibody (PA5-30706)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of Galectin 1 was observed in MDA-MB-231 in comparison to MCF7 and PC-3 to LNCaP owing to their metastatic potential and androgen response capacity, respectively, using Anti-Galectin 1 Polyclonal Antibody (Product # PA5-30706) in Western Blot. {RE}



Galectin 1 Antibody (PA5-30706)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-Galectin 1 Polyclonal Antibody (Product # PA5-30706), shows cytoplasmic staining for Galectin 1 in MDA-MB-231 cells, a triple negative breast cancer cell line, in comparison to non-TNBC cell line MCF7. {RE}



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Western Blot (1)

Brain research	Year 2015
Quantitative proteomic analysis of the brainstem following lethal sarin exposure.	Species Guinea pig
"PA5-30706 was used in western blot to study the effects of sarin on the guinea pig brainstem."	Dilution 1:1000
Authors: Meade ML,Hoffmann A,Makley MK,Snider TH,Schlager JJ,Gearhart JM	

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