

Product datasheet

Anti-Galectin 3 antibody [RM0082-5L36] ab86058

KO **VALIDATED**

[2 Images](#)

Overview

Product name	Anti-Galectin 3 antibody [RM0082-5L36]
Description	Rat monoclonal [RM0082-5L36] to Galectin 3
Host species	Rat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant full length Mouse protein

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS
Purification notes	The IgG fraction of culture supernatant was purified by Protein A/G affinity chromatography.
Clonality	Monoclonal
Clone number	RM0082-5L36
Isotype	IgG2

Applications

Our [Abpromise guarantee](#) covers the use of **ab86058** in the following tested applications.

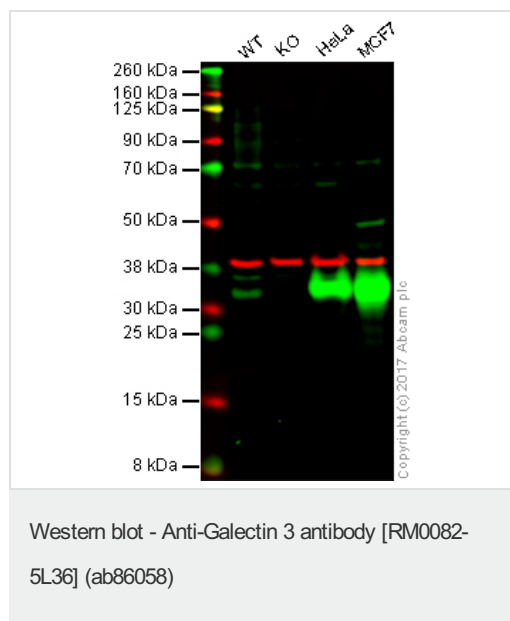
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 26 kDa.

Target

Function	Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis.
Tissue specificity	A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages.
Sequence similarities	Contains 1 galectin domain.
Cellular localization	Nucleus. Cytoplasmic in adenomas and carcinomas. May be secreted by a non-classical secretory pathway and associate with the cell surface.

Images



Lane 1: Wild-type HAP1 whole cell lysate (20 μ g)

Lane 2: Galectin 3 knockout HAP1 whole cell lysate (20 μ g)

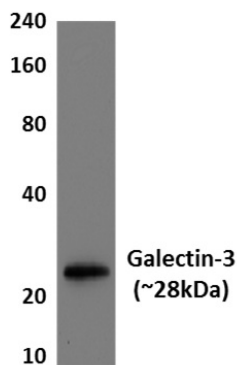
Lane 3: HeLa whole cell lysate (20 μ g)

Lane 4: MCF7 whole cell lysate (20 μ g)

Lanes 1 - 4: Merged signal (red and green). Green - ab86058 observed at 35 kDa. Red - loading control, [ab181602](#), observed at 37 kDa.

ab86058 was shown to specifically recognize Galectin 3 in wild-type HAP1 cells along with additional cross-reactive bands. NO band was observed when Galectin 3 (KO) knockout samples were examined. Wild-type and Galectin 3 knockout samples were subjected to SDS-PAGE. ab86058 and [ab181602](#) (Rabbit anti GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/10,000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed [ab216772](#) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed [ab216777](#) secondary antibodies at 1/20,000 dilution for 1 hour at room temperature before imaging.

kDa



Anti-Galectin 3 antibody [RM0082-5L36]
(ab86058) + Lysates of mouse 4T1 cells

Predicted band size: 26 kDa

Observed band size: 28 kDa

Western blot - Anti-Galectin 3 antibody [RM0082-5L36] (ab86058)

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