



Rabbit Anti-Human LGALS7 (N-terminal) Polyclonal antibody (DPABH-05569)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|--|
| Specificity | The antibody detects endogenous levels of total LGALS7 protein. |
| Target | LGALS7 |
| Immunogen | Synthetic peptide corresponding to residues near the N terminal of human lectin, galactoside-binding, soluble, 7 |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Antigen affinity purification. |
| Conjugate | Unconjugated |
| Applications | IHC IHC: 1:50-1:200 |
| Format | Liquid |
| Concentration | 3.1 mg/ml |
| Size | 100 µl |
| Buffer | pH7.4 PBS, 0.05% sodium azide, 40% Glycerol. |
| Preservative | 0.05% sodium azide |
| Storage | Store at -20°C. |

BACKGROUND

Introduction

Galectin-7 is a small, soluble, unglycosylated β -galactoside-binding lectin belonging to the prototype subgroup of the galectin family, which comprises 12 members in humans identified by their affinity for β -galactosides on cell surfaces and extracellular matrix components. Encoded by the LGALS7 gene on chromosome 19q13.2, it functions both intra- and extracellularly in regulating key cellular processes such as apoptosis, proliferation, differentiation, adhesion, and migration, with prominent expression in stratified epithelia like the epidermis, cornea, esophagus, and myoepithelial cells of the mammary gland. Originally identified as a marker of epidermal differentiation and a p53-inducible gene involved in UV-induced keratinocyte apoptosis, galectin-7 exhibits context-dependent roles in physiology and pathology, including wound healing, immune modulation, reproductive biology, and cancer, where it can act as either pro-apoptotic or protumorigenic depending on the cellular environment and p53 status.

Keywords

GAL7; LGALS7A; Galectin-7

GENE INFORMATION

Entrez Gene ID

[3963](#)

UniProt ID

[P47929](#)
