

## TRPS1 clone TRPS1/8131R

Rabbit Monoclonal Antibody

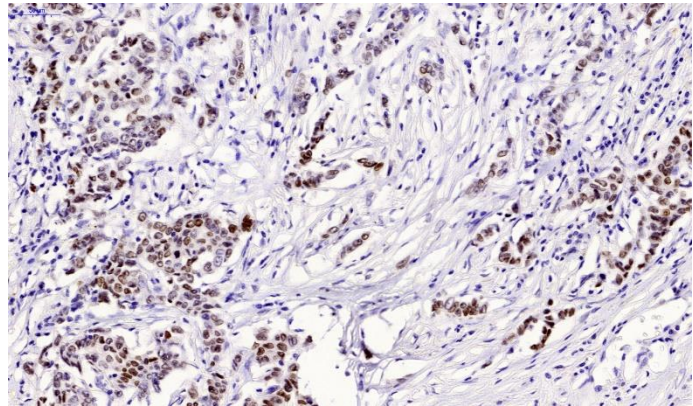
### Instruction for Use

**Specification:**

Transcriptional repressor binds specifically to GATA sequences and repress expression of GATA-regulated genes at selected sites and stages in vertebrate development. Regulates chondrocyte proliferation and differentiation. Executes multiple functions in proliferating chondrocytes, expanding the region of distal chondrocytes, activating proliferation in columnar cells and supporting the differentiation of columnar into hypertrophic chondrocytes. Ubiquitously expressed in the adult. Found in fetal brain, lung, kidney, liver, spleen and thymus. More highly expressed in androgen-dependent than in androgen-independent prostate cancer cells.

**Availability:**

Catalog No.	Contents	Volume
ILM7227-C01	TRPS1	0,1 ml concentrate
ILM7227-C05	TRPS1	0,5 ml concentrate
ILM7227-C1	TRPS1	1,0 ml concentrate



**Intended use:** For Research Use Only

**Reactivity:** Human, others not known

**Clone:** TRPS1/8131R

**Human Gene ID:** 7227

**Human SwissProt:** Q9UHF7

**Human Unigene:** 657018

**Species of origin:** Rabbit

**Isotype:** IgG, Kappa

**Immunogen:** Recombinant fragment (around aa900-1100) of human-TRPS1 protein (exact sequence is proprietary)

**Control Tissue:** Human squamous epithelium, breast or breast cancer

**Staining:** nuclear

**Presentation:** Bioreactor Concentrate with 0.05% Azide

**Application and suggested dilutions:**

Pre-treatment: Heat induced epitope retrieval in 10 mM EDTA buffer pH9.0 for 15 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:25)
- Western blot (1-2ug/ml)

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilution of the antibody in 10% normal goat serum followed by a Goat anti-Rabbit secondary antibody-based detection is recommended.

**Storage & Stability:** Store at 2-8 °C. Do not use after expiration date printed on the vial.

**Reference:**

Ai, Di et al. "TRPS1; a highly sensitive and specific marker for breast carcinoma, especially for triple-negative breast cancer". *modern pathology; an official journal of the United States and Canadian Academy of Pathology, Inc* vol 34,4 (2021): 710-719. Doi: 10.1038/s41379-020-00692-8