

ROR1

Recombinant Rabbit Monoclonal Antibody

Product Datasheet

Catalog# BX50312

Clone# BP6289

Predicted Molecular Wt: 104kDa

Species Cross-reactivity: Human

Applications: IHC-P

Purity: ProA affinity purified IgG

Form: Liquid

Swissprot ID: Q01973

Background:

ROR1 is a transmembrane receptor tyrosine kinase with a pseudokinase domain, critically involved in embryonic development via non-canonical Wnt signaling to regulate cell migration, polarity and organogenesis.

ROR1 is expressed in hematologic malignancies (e.g., CLL, MCL, B-ALL) and solid cancers (e.g., triple-negative breast, lung, ovarian, pancreatic, colorectal, gastric, melanoma).

In solid tumors, ROR1 immunohistochemistry is not a standard diagnostic tool but serves mainly to screen patients for eligibility in ROR1-targeted clinical trials. In hematopathology, ROR1 is routinely used via flow cytometry to confirm CLL/SLL diagnosis, differentiate it from other CD5+ B-cell neoplasms, and detect minimal residual disease.

Subcellular location:

Membrane/Cytoplasm

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes. Amplifier for Mouse + Rabbit IgG (BX10004) incubate at RT for 10 minutes. HRP Polymer Detector (BX10005) incubate at RT for 10 minutes.

Immunogen:

The synthetic peptide corresponding to Human ROR1 aa 333-382

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

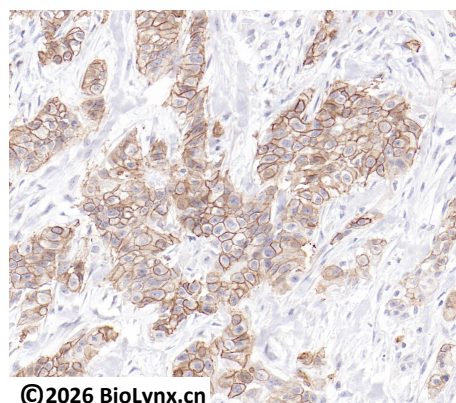
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

1. Juuli Raivola, et al. (2026) Cell Death Dis Feb 27;17(1):276.
2. Dan Li, et al. (2025) Biomark Res Jan 23;13(1):17.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast cancer labelling ROR1 with BP6289.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.