

Datasheet for ABIN5708007

anti-Retinoblastoma Protein (Rb) antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Retinoblastoma Protein (Rb) (Rb Protein)
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Retinoblastoma Protein (Rb) antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A human recombinant partial protein was used as immunogen for this recombinant RB1 antibody.
Clone:	RB1-2313R
Isotype:	IgG kappa
Purification:	Purified
Purity:	Protein A affinity chromatography

Target Details

Target:	Retinoblastoma Protein (Rb) (Rb Protein)
Alternative Name:	Retinoblastoma / Rb (Rb Protein Products)
Background:	Recognizes a 105 kDa phosphoprotein, identified as retinoblastoma (Rb) gene product. It

Target Details

shows no cross reaction with p107 or p130. It specifically stains the nuclei of BT-20 cells and primary human foreskin fibroblast (HFF) cells. It does not stain the Rb-negative BT549 cells. It reacts with the hyperphosphorylated as well as the un (under) phosphorylated form of the Rb protein. Retinoblastoma gene product plays a key role in cell cycle control. It has been identified as a tumor suppressor gene whose loss of its function leads to tumor development. It is widely expressed in a variety of human tissues including breast, esophageal, squamous cell and cervical carcinoma.

Pathways: [Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: Due to variation in protocol and secondary antibody used, the recombinant RB1 antibody may need to be titrated for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Immunohistology (FFPE): 1-2 µg/mL for 30 min at RT,Prediluted IHC only format: incubate for 30 min at RT (1)

Restrictions: For Research Use only

Handling

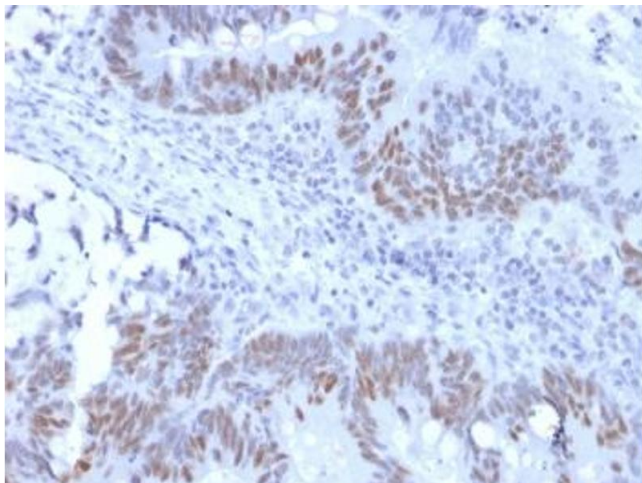
Buffer: 0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: The recombinant RB1 antibody (with azide) can be stored at 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.



Immunohistochemistry

Image 1. IHC testing of recombinant RB1 antibody and FFPE human colon carcinoma (clone RB1/2313R). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.