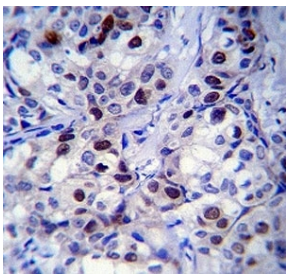
# Rb Antibody / Retinoblastoma (F49535)

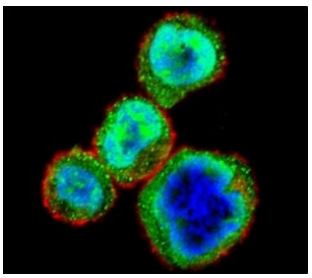
| Catalog No. | Formulation | Size |
|---|---|---|
| F49535-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F49535-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

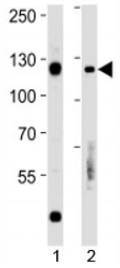
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | P06400 |
| **Applications** | Western Blot : 1:1000<br>Immunofluorescence : 1:10-1:50<br>IHC (Paraffin) : 1:10-1:50 |
| **Limitations** | This Rb antibody is available for research use only. |



Rb antibody immunohsitochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma.



Confocal immunofluorescent analysis of Rb antibody with MDA-MB435 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (blue).




Rb antibody western blot analysis in 1) Daudi and 2) Raji lysate.

## Description

The retinoblastoma protein is a tumor suppressor protein that is dysfunctional in many types of cancer. One highly studied function of pRb is to prevent excessive cell growth by inhibiting cell cycle progression until a cell is ready to divide. pRb belongs to the pocket protein family, whose members have a pocket for the functional binding of other proteins. Should an oncogenic protein, such as those produced by cells infected by high-risk types of human papillomaviruses, bind and inactivate pRb, this can lead to cancer. Retinoblastoma (Rb) is an embryonic malignant neoplasm of retinal origin. It almost always presents in early childhood and is often bilateral.

## Application Notes

Titration of the Rb antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 586-615 from the human protein was used as the immunogen for this Rb antibody.

## Storage

Aliquot the Rb antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com