# Vimentin Rabbit pAb

Catalog No.: A2584 29 Publications



### **Basic Information**

Observed MW 58kDa/57kDa

Calculated MW 54kDa

Category Primary antibody

Applications WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity Human, Mouse, Rat

# Background

This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients.

### **Recommended Dilutions**

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

#### **Gene ID** 7431

Swiss Prot P08670

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

#### Synonyms

CTRCT30; HEL113; Vimentin; VIM; vimentin

### Contact

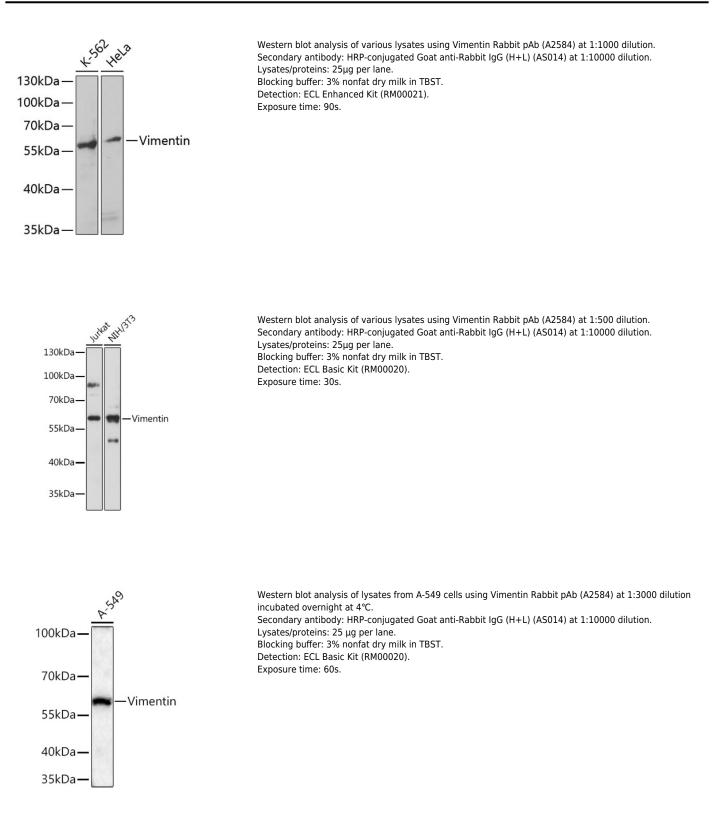
6	400-999-6126
$\times$	cn.market@abclonal.com.cn
€	www.abclonal.com.cn

# **Product Information**

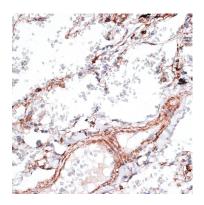
**Source** Rabbit **Isotype** IgG **Purification** Affinity purification

### Storage

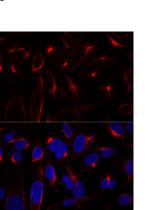
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.



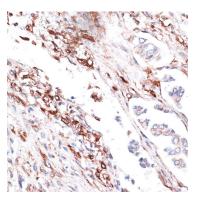
### Validation Data



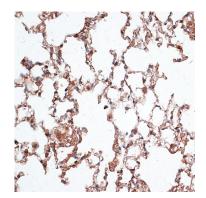
Immunohistochemistry analysis of paraffinembedded Human lung using Vimentin Rabbit pAb (A2584) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Confocal immunofluorescence analysis of U2OS cells using Vimentin Rabbit pAb (A2584) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffinembedded Human lung cancer using Vimentin Rabbit pAb (A2584) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse lung using Vimentin Rabbit pAb (A2584) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.