

Recombinant

DGRmAb®

Vimentin (DGR12122) Rabbit mAb (PBS Only)

db11589-PBS

Package : 10µg 100µg

Product Name : Vimentin (DGR12122) Rabbit mAb (PBS Only)**Cat.No.:** db11589-PBS**Synonyms** : VIM**Application** : WB, IHC, ICC/IF, FC**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**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. [provided by RefSeq, Aug 2017]

Immunogen

A synthetic peptide of human Vimentin

Gene ID

7431

Swiss Prot

P08670

Synonyms

VIM

Reactivity

Human, Mouse, Rat

Application

WB, IHC, ICC/IF, FC

Calculated MW

54 kDa

Observed MW

54 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR12122

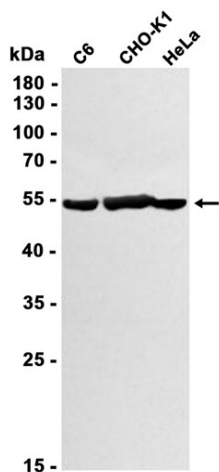
Isotype

IgG

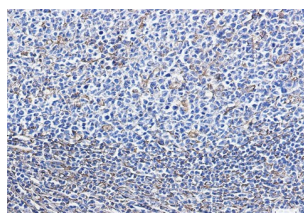
Purity

Affinity Purification

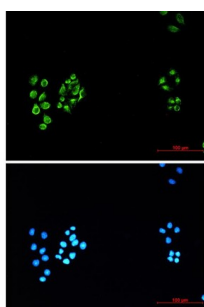
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



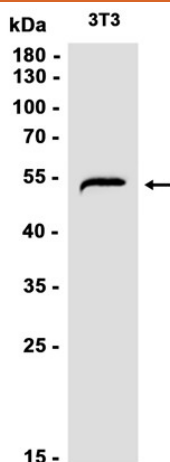
Western blot analysis of extracts from C6, CHO-K1, HeLa cells using [db11589](#) at 1:1000.



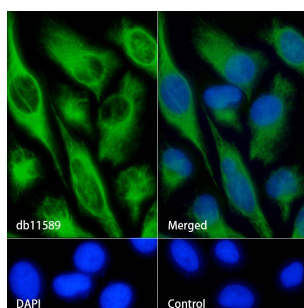
Immunohistochemical analysis of paraffin-embedded human tonsil using [db11589](#) antibody.



Immunofluorescent analysis of HeLa cells using [db11589](#) antibody (green), and DAPI (blue).



Western blot analysis of extracts from 3T3 cells using [db11589](#) at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Vimentin with [db11589](#).

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with [db11589](#) (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 ([db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.