

Recombinant

DGRmAb®

## Phospho-Vimentin (Ser56) (DGR20998) Rabbit mAb

db14440

Package : 10µL 20µL 50µL 100µL

**Product Name** : Phospho-Vimentin (Ser56) (DGR20998) Rabbit mAb**Cat.No.:** db14440**Synonyms** : VIM**Application** : WB, ICC/IF, FC, IP**Reactivity** : Human**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 phosphopeptide corresponding to residues surrounding Ser56 of human Vimentin

**Gene ID**

7431

**Swiss Prot**

P08670

**Synonyms**

VIM

**Reactivity**

Human

**Application**

WB, ICC/IF, FC, IP

**Recommended dilution**

WB: 1:1000  
ICC/IF: 1:500-1:1000  
FC: 1:200-1:500  
IP: 1:20-1:50

**Calculated MW**

54 kDa

**Observed MW**

54 kDa

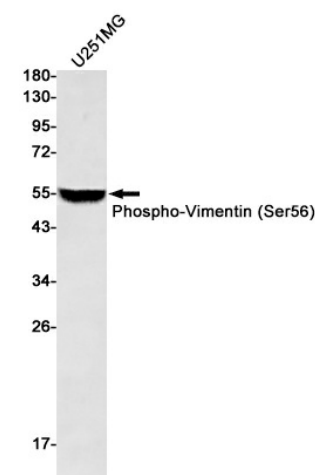
**Host species**

Rabbit

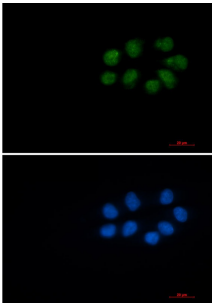
**Clonality**

Monoclonal

Clonality No.	DGR20998
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Phospho-Vimentin (Ser56) in U251MG cell lysates using Phospho-Vimentin (Ser56) antibody(1:500 diluted).



Immunofluorescent analysis of HeLa cells using db14440 antibody (green), and DAPI (blue).