Recombinant DGRmAb®

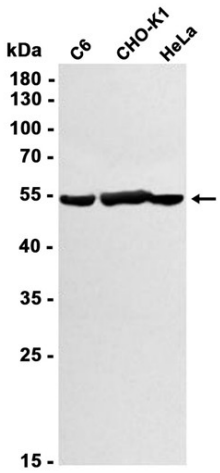
Vimentin (DGR12122) Rabbit mAb

db11589 **Package : 10μL 20μL 50μL 100μL**

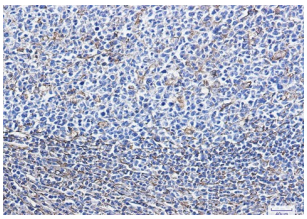
Product Name : Vimentin (DGR12122) Rabbit mAb
Cat.No.: db11589
Synonyms : VIM
Application : WB, IHC, ICC/IF, FC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

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
Recommended dilution	WB: 1:1000 IHC: 1:200-1:500 ICC/IF: 1:100 FC: 1:100
Calculated MW	54 kDa
Observed MW	54 kDa
Host species	Rabbit
Clonality	Monoclonal

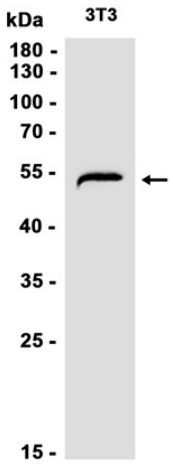
Clonality No.	DGR12122
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



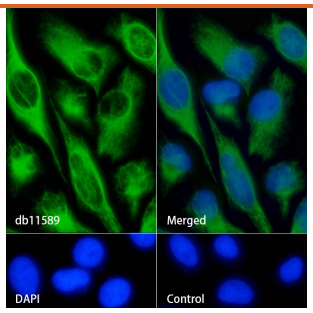
Western blot analysis of extracts from C6, CHO-K1, HeLa cells using db11589 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human tonsil using db11589 antibody.



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.