Recombinant DGRmAb®

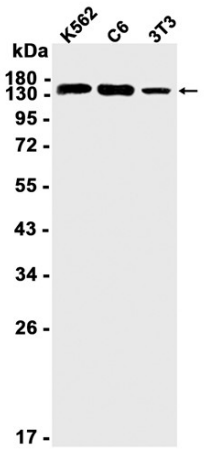
Collagen III (DGR14723) Rabbit mAb (PBS Only)

db14567-PBS **Package : 10μg 100μg**

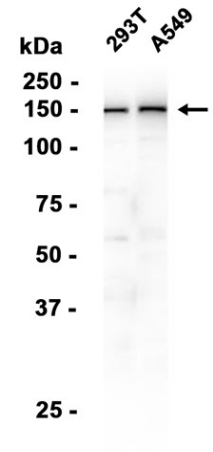
Product Name : Collagen III (DGR14723) Rabbit mAb (PBS Only)
Cat.No.: db14567-PBS
Synonyms : EDS4A
Application : WB, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish, Feb 2008]
Immunogen	Recombinant protein of human Collagen III
Gene ID	1281
Swiss Prot	P02461
Synonyms	EDS4A
Reactivity	Human,Mouse,Rat
Application	WB, ICC/IF, FC, IP
Calculated MW	139 kDa
Observed MW	150 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14723
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

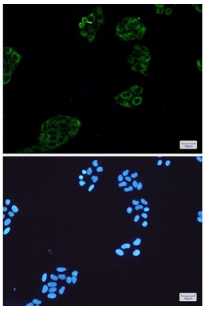
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



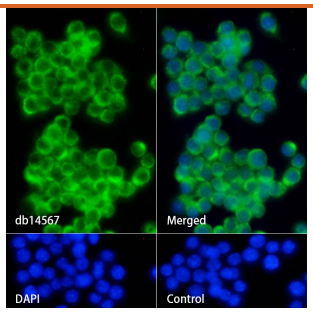
Western blot analysis of extracts from K562, C6, 3T3 cells using db14567 at 1:1000.



Western blot analysis of extracts from A549, 293T cells using db14567 at 1:1000.



Immunofluorescent analysis of HeLa cells using db14567 antibody (green), and DAPI (blue).



Immunofluorescence analysis of RAW 264.7 cells labelling Collagen III with db14567.

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 db14567 (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.