Recombinant DGRmAb®

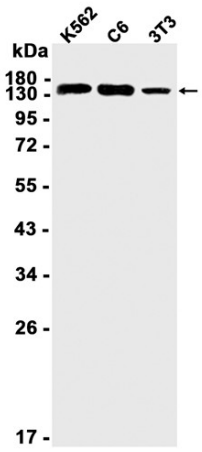
# Collagen III (DGR14723) Rabbit mAb

**db14567** **Package : 10μL 20μL 50μL 100μL**

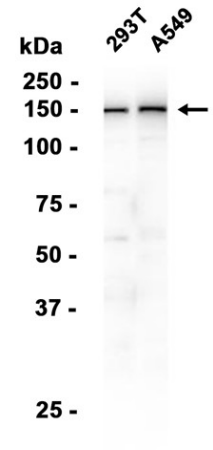
**Product Name :** Collagen III (DGR14723) Rabbit mAb
**Cat.No.:** db14567
**Synonyms :** EDS4A
**Application :** WB, ICC/IF, FC, IP
**Reactivity :** Human,Mouse,Rat
**Host species :** Rabbit

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|---|---|
| **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 |
| **Recommended dilution** | WB: 1:1000<br>ICC/IF: 1:100<br>FC: 1:20-1:50<br>IP: 1:20-1:50 |
| **Calculated MW** | 139 kDa |
| **Observed MW** | 150 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR14723 |

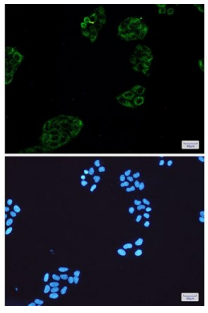
| | |
|---|---|
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |



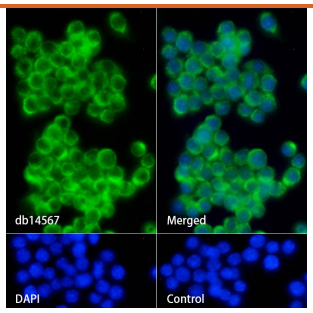

Western blot analysis of extracts from K562, C6, 3T3 cells using db14567 at 1:1000.




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.