

## Recombinant Collagen III alpha 1 Monoclonal Antibody

catalog number: **E-AB-81463**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

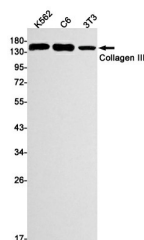
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant protein of human Collagen III
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	R06-4E1
<b>Purification</b>	Affinity Purified
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

### Applications

### Recommended Dilution

<b>WB</b>	1:1000-1:2000
<b>IF</b>	1:20-1:100

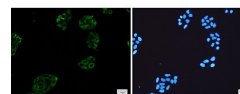
### Data



Western blot detection of Collagen III in K562, C6,3T3 cell lysates using Collagen III Rabbit mAb (1:1000 diluted). Predicted band size: 139 kDa. Observed band size: 150 kDa.

**Observed-MW: 150 kDa**

**Calculated-MW: 139 kDa**



Immunofluorescence of Collagen III (green) in HeLa cells using Collagen III Rabbit mAb at dilution 1:50, and DAPI (blue)

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

This gene encodes the pro- $\alpha 1$  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.

### For Research Use Only