

## COLLAGEN III ALPHA 1 RABBIT MAB

**Cat.#:** N262052

**Product Name:** Anti-Collagen III alpha 1 Rabbit Monoclonal Antibody

**Synonyms:** EDS4A; EDSVASC

**UNIPROT ID:** P02461

**Background:** Collagen type III occurs in most soft connective tissues along with type I collagen. Involved in regulation of cortical development. Is the major ligand of ADGRG1 in the developing brain and binding to ADGRG1 inhibits neuronal migration and activates the RhoA pathway by coupling ADGRG1 to GNA13 and possibly GNA12.

**Immunogen:** Recombinant protein of human Collagen III

**Applications:** WB, ICC/IF, IP

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R06-4E1

**MW:** Calculated MW: 139 kDa; Observed MW: 150 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human, Mouse, Rat

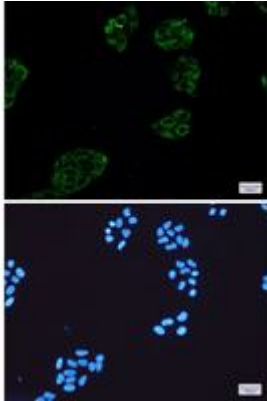
**Conjugation:** Unconjugated

**Modification:** Unmodified

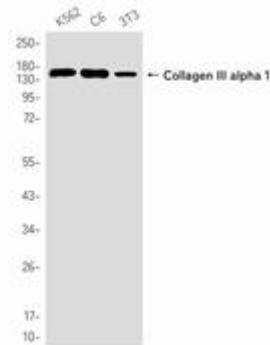
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of Collagen III (green) in HeLa using Collagen III antibody, and DAPI (blue)



Western blot analysis of Collagen III in K562, C6, 3T3 lysates using Collagen III alpha 1 antibody.