

Datasheet for ABIN1106760
anti-Collagen Type V antibody



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Overview

Quantity:	0.1 mg
Target:	Collagen Type V (COL5)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoprecipitation (IP), Enzyme Immunoassay (EIA)

Product Details

Clone:	13F6
Isotype:	IgG1
Specificity:	Reacts with Human pro alpha 1(V) chain.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Purified

Target Details

Target:	Collagen Type V (COL5)
Alternative Name:	Collagen Type V (COL5 Products)
Background:	Collagens are highly conserved throughout evolution and are characterized by an uninterrupted "Glycine-X-Y" triplet repeat that is a necessary part of the triple helical structure.Type V Collagen is a member of group I Collagen (fibrillar forming collagen). It is a minor connective tissue

Target Details

component of nearly ubiquitous distribution. Type V Collagen binds to DNA, heparan sulfate, Thrombospondin, Heparin, and Insulin. Collagen V is composed of several subunits as follows: trimers of two alpha 1(V) and one alpha 2(V) chains in most tissues and trimers of one alpha 1(V), one alpha 2(V), and one alpha 3(V) chains in placenta. Type V Collagen is closely related to type XI Collagen and it is possible that the Collagen chains of types V and XI constitute a single collagen type with tissue specific chain combinations. Mutations in this gene are associated with Ehlers Danlos syndrome, types I and II.Synonyms: COL5A1

Gene ID: 1289

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Reconstitution: Restore in distilled water

Concentration: 1 mg/mL

Buffer: 0.1 M Tris, 0.1 M Glycine, 2 % Sucrose, None