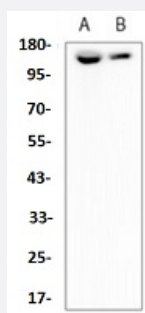


RecomAb™

ITGA5 recombinant monoclonal antibody

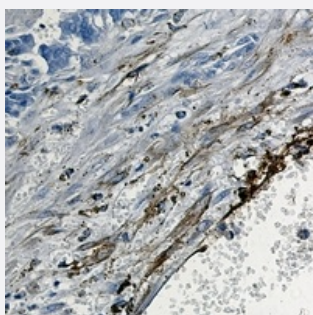
Catalog # RAB02513 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of K562 (A), NIH3T3 (B) whole cell lysates with CD49e HC recombinant monoclonal antibody (Cat # RAB02513).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human breast carcinoma formalin fixed paraffin embedded tissue section using CD49e HC recombinant monoclonal antibody (Cat # RAB02513). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.15). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ITGA5.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human Integrin alpha 5.
Theoretical MW (kDa)	150
Reactivity	Human, Mouse

Specificity	Recognizes endogenous levels of CD49e HC protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunoprecipitation

Gene Info — ITGA5

Entrez GeneID	3678
Protein Accession#	P08648
Gene Name	ITGA5

Gene Alias	CD49e, FNRA, VLA5A
Gene Description	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
Omim ID	135620
Gene Ontology	Hyperlink
Gene Summary	<p>The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling.</p> <p>[provided by RefSeq]</p>
Other Designations	fibronectin receptor, alpha subunit integrin alpha 5 very late activation protein 5, alpha subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Tobacco Use Disorder](#)