

**Product Name: Integrin alpha 5 (10B18) Rabbit
Monoclonal Antibody
Catalog #: AMRe12650**

Summary

Production Name	Integrin alpha 5 (10B18) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	ITGA5
Alternative Names	Integrin alpha-5; VLA-5; CD49e; ITGA5; FNRA;
Gene ID	3678.0
SwissProt ID	P08648.A synthetic peptide of human Integrin alpha 5

Application

Dilution Ratio	WB: 1:1000-1:5000
Molecular Weight	115kDa

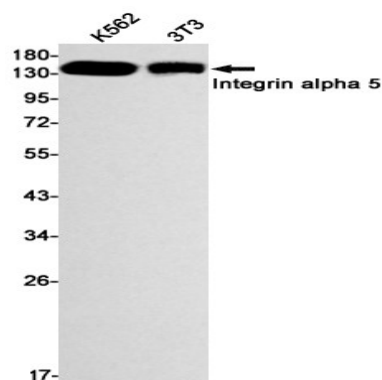
Background

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Integrin alpha-5/beta-1 is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. ITGA5:ITGB1 binds to PLA2G2A via a site (site 2) which is distinct from the classical ligand-binding site (site 1) and this induces integrin conformational changes and enhanced ligand binding to site 1. ITGA5:ITGB1 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1. Integrin alpha-5/beta-1 (ITGA5:ITGB1) is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. ITGA5:ITGB1 binds to PLA2G2A via a site (site 2) which is distinct from the classical ligand-binding site (site 1) and this induces integrin conformational changes and enhanced ligand binding to site 1 (PubMed:[18635536](http://www.uniprot.org/citations/18635536)), PubMed:[25398877](http://www.uniprot.org/citations/25398877)), PubMed:[25398877](http://www.uniprot.org/citations/25398877)). ITGA5:ITGB1 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1 (PubMed:[12807887](http://www.uniprot.org/citations/12807887)), PubMed:[17158881](http://www.uniprot.org/citations/17158881)). ITGA5:ITGB1 is a receptor for IL1B and binding is essential for IL1B signaling (PubMed:[29030430](http://www.uniprot.org/citations/29030430)). ITGA5:ITGB3 is a receptor for soluble CD40LG and is required for CD40/CD40LG signaling (PubMed:[31331973](http://www.uniprot.org/citations/31331973)).

Research Area

Image Data



Western blot detection of Integrin alpha 5 in K562,3T3 cell lysates using Integrin alpha 5 antibody(1:1000 diluted).

Note

For research use only.