

Integrin alpha 5 Rabbit mAb
Catalog # AP76861**Specification****Integrin alpha 5 Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	P08648
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	114536

Integrin alpha 5 Rabbit mAb - Additional Information

Gene ID 3678

Other Names

ITGA5

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

Format

Liquid

Integrin alpha 5 Rabbit mAb - Protein InformationName ITGA5 ([HGNC:6141](#))

Synonyms FNRA

Function

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)). 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 acts as a receptor for fibronectin (FN1) and mediates R-G-D-dependent cell adhesion to FN1 (PubMed:[33962943](http://www.uniprot.org/citations/33962943)). 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)).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell junction, focal adhesion

Tissue Location

Expressed in placenta (at protein level).

Integrin alpha 5 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Integrin alpha 5 Rabbit mAb - Images

