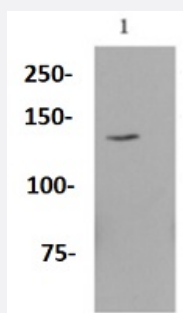


RecomAb™

# ITGA6 recombinant monoclonal antibody

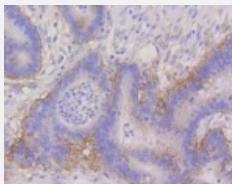
Catalog # RAB02678      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Lane1: Raji whole cell lysate with ITGA6 recombinant monoclonal antibody (Cat # RAB02678) at 1:500 dilution.



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

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using ITGA6 recombinant monoclonal antibody (Cat # RAB02678). Counter stained with hematoxylin.

## Specification

|                             |                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit recombinant monoclonal antibody raised against ITGA6.                                               |
| <b>Antibody Species</b>     | Rabbit                                                                                                     |
| <b>Immunogen</b>            | Original antibody is raised against recombinant ITGA6.                                                     |
| <b>Theoretical MW (kDa)</b> | 126                                                                                                        |
| <b>Reactivity</b>           | Human, Mouse, Rat                                                                                          |
| <b>Specificity</b>          | This antibody detects endogenous levels of Integrin alpha6 and does not cross-react with related proteins. |

|                     |                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                 |
| Purification        | Protein A purification                                                                                                                 |
| Isotype             | IgG                                                                                                                                    |
| Recommend Usage     | Immunohistochemistry (1:50-1:200)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS , pH7.2 (0.02% sodium azide and 50% glycerol)                                                                                   |
| Storage Instruction | Store at 4°C short term.<br>Aliquot and store at -20°C long term.<br>Avoid freeze-thaw cycles.                                         |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                 |

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## Gene Info — ITGA6

|                    |                                                |
|--------------------|------------------------------------------------|
| Entrez GeneID      | <a href="#">3655</a>                           |
| Protein Accession# | <a href="#">P23229</a>                         |
| Gene Name          | ITGA6                                          |
| Gene Alias         | CD49f, DKFZp686J01244, FLJ18737, ITGA6B, VLA-6 |
| Gene Description   | integrin, alpha 6                              |
| Omim ID            | <a href="#">147556</a> <a href="#">226730</a>  |
| Gene Ontology      | <a href="#">Hyperlink</a>                      |

**Gene Summary**

The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

integrin alpha chain, alpha 6|integrin alpha6B

## Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Small cell lung cancer](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Coronary Artery Disease](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Prostatic Neoplasms](#)