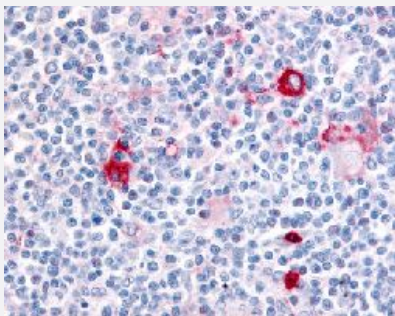


# ITGA4 polyclonal antibody

Catalog # PAB16500

Size 50 ug

## Applications



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

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human thymus (medulla) with ITGA4 polyclonal antibody (Cat # PAB16500).

## Specification

|                            |                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of ITGA4.                                                                                 |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with KLH) corresponding to human ITGA4.                                                                               |
| <b>Host</b>                | Rabbit                                                                                                                                                |
| <b>Reactivity</b>          | Human, Monkey, Mouse, Rat                                                                                                                             |
| <b>Specificity</b>         | Internal domain of human.                                                                                                                             |
| <b>Form</b>                | Liquid                                                                                                                                                |
| <b>Purification</b>        | Immunoaffinity purification                                                                                                                           |
| <b>Recommend Usage</b>     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)                                                                                                                           |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -80°C.<br>Aliquot to avoid repeated freezing and thawing.                                                |

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — ITGA4

**Entrez GeneID** [3676](#)

**Protein Accession#** [P13612](#)

**Gene Name** ITGA4

**Gene Alias** CD49D, IA4, MGC90518

**Gene Description** integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)

**Omim ID** [192975](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** The product of this gene belongs to the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an alpha 4 chain. Unlike other integrin alpha chains, alpha 4 neither contains an I-domain, nor undergoes disulfide-linked cleavage. Alpha 4 chain associates with either beta 1 chain or beta 7 chain. [provided by RefSeq]

**Other Designations** 269C wild type|antigen CD49D, alpha-4 subunit of VLA-4 receptor|integrin alpha 4|integrin alpha-4 subunit|very late activation protein 4 receptor, alpha 4 subunit

## Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)

- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)

## Disease

- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Multiple Sclerosis](#)
- [Neurogenic Inflammation](#)
- [Tobacco Use Disorder](#)