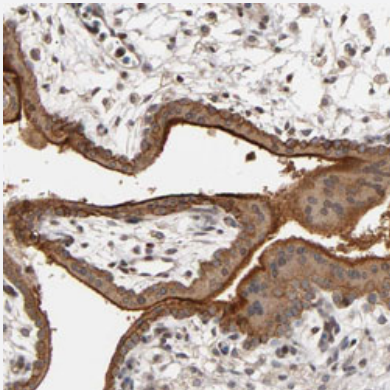


ITGAV polyclonal antibody

Catalog # PAB30382 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with ITGAV polyclonal antibody (Cat # PAB30382) shows strong cytoplasmic and membranous positivity in trophoblastic cells at 1:200-1:500 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human ITGAV.
Immunogen	Recombinant protein corresponding to human ITGAV.
Sequence	DHLITKRDLALSEGDIHTLGCGVAQCLKIVCQVGRLDRGKSAILYVKSLWTFMKNENQNHSYS LKSSASFNVIEFPYKNLPIEDITNSTLVTNTWTWG
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
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 — ITGAV

Entrez GeneID[3685](#)**Protein Accession#**[P06756](#)**Gene Name**

ITGAV

Gene Alias

CD51, DKFZp686A08142, MSK8, VNRA

Gene Description

integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)

Omim ID[193210](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Among the known associating beta chains (beta chains 1,3,5,6, and 8; 'ITGB1', 'ITGB3', 'ITGB5', 'ITGB6', and 'ITGB8'), each can interact with extracellular matrix ligands; the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

Integrin, alpha-V (vitronectin receptor, alpha polypeptide)|antigen identified by monoclonal antibody L230|integrin alpha-V

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)

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

Disease

- [Anemia](#)
- [Arthritis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Ovarian Neoplasms](#)
- [Priapism](#)
- [Thalassemia](#)
- [Tobacco Use Disorder](#)