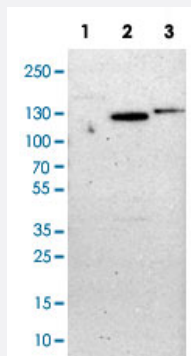


ITGA6 polyclonal antibody

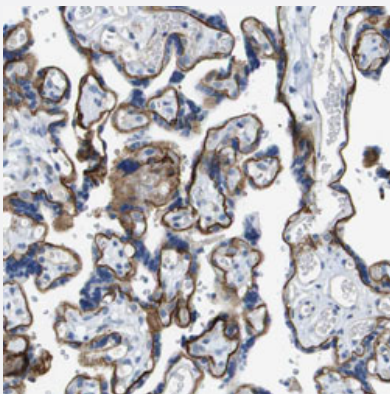
Catalog # PAB31433 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells), Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) and Lane 3: PC12 cell lysate (pheochromocytoma of rat adrenal medulla) with ITGA6 polyclonal antibody (Cat # PAB31433).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with ITGA6 polyclonal antibody (Cat # PAB31433) shows strong membranous positivity in trophoblastic cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human ITGA6.
Immunogen	Recombinant protein corresponding to human ITGA6.
Sequence	APYDDL GKVFYHGSANGINTKPTQVLKGISPYFGYSIAGNMDLDRNSYPDVAVGSLSDSVTIFRSR PVINIQKTITVTPNRIDLRQKTACGAPSGICLQVKSCFEYTANPAGYNPSISIVGTLEAEKERRKSGLS S
Host	Rabbit
Reactivity	Human, Rat

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:500-1:1000) 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

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells), Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) and Lane 3: PC12 cell lysate (pheochromocytoma of rat adrenal medulla) with ITGA6 polyclonal antibody (Cat # PAB31433).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with ITGA6 polyclonal antibody (Cat # PAB31433) shows strong membranous positivity in trophoblastic cells.

Gene Info — ITGA6

Entrez GeneID	3655
Protein Accession#	P23229
Gene Name	ITGA6
Gene Alias	CD49f, DKFZp686J01244, FLJ18737, ITGA6B, VLA-6
Gene Description	integrin, alpha 6
Omim ID	147556 226730
Gene Ontology	Hyperlink

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

Publication Reference

- [Multiplex flow cytometry barcoding and antibody arrays identify surface antigen profiles of primary and metastatic colon cancer cell lines.](#)

Sukhdeo K, Paramban RI, Vidal JG, Elia J, Martin J, Rivera M, Carrasco DR, Jarrar A, Kalady MF, Carson CT, Balderas R, Hjelmeland AB, Lathia JD, Rich JN.

PLoS One 2013 Jan; 8(1):e53015.

Application: IF, IHC-Fr, IHC-P, Human, Human colon cancer

- [Identification of integrins alpha6 and beta7 as c-Jun- and transformation-relevant genes in highly invasive fibrosarcoma cells.](#)

Kielosto M, Nummela P, Järvinen K, Yin M, Hölttä E.

International Journal of Cancer 2009 Sep; 125(5):1065.

Application: Flow Cyt, IF, IHC, IP, WB-Tr, Human, Mouse, Amdc cells, HT-1080, NIH/3T3 cells

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](#)