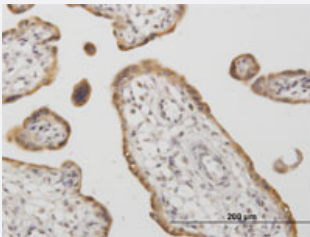


ITGA6 monoclonal antibody, clone MP 4F10

Catalog # MAB7096 Size 100 ug

Applications



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

Immunoperoxidase of monoclonal antibody to ITGA6 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

Specification

Product Description	Mouse monoclonal antibody raised against native ITGA6.
Immunogen	Native purified ITGA6 from SW1222 human colorectal cell line.
Host	Mouse
Reactivity	Human
Specificity	Reacts with alpha 6. MP 4F10 can be used in clinical studies for tumour grading - stains moderately and well-differentiated colorectal adenocarcinoma.
Form	Liquid
Isotype	IgG2b
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

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

Immunoperoxidase of monoclonal antibody to ITGA6 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Immunoprecipitation
- Flow Cytometry

Gene Info — ITGA6

Entrez GeneID	3655
---------------	----------------------

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

- [Expression of integrin subunits in the human infant breast correlates with morphogenesis and differentiation.](#)

Anbazhagan R, Bartkova J, Stamp G, Pignatelli M, Gusterson B.

The Journal of Pathology 1995 Jul; 176(3):227.

Application: IHC-Fr, Human, Necropsy breast specimens

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](#)