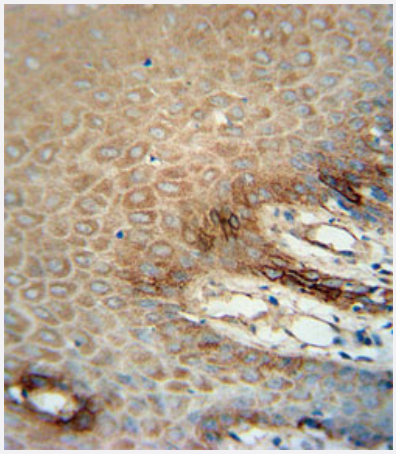
ITGA6 monoclonal antibody, clone 129CT49.6.5

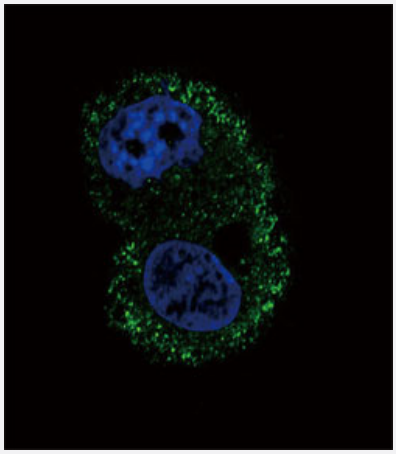
Catalog # MAB12290 Size 400 uL

Applications



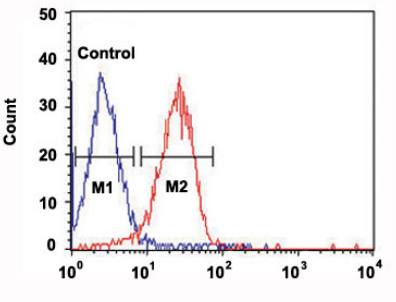
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human skin carcinoma reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:10-1:50 dilution.



Immunofluorescence

Immunofluorescent staining of HepG2 cell reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:10-1:50 dilution.



Flow Cytometry

Flow cytometric analysis of HepG2 cells (right histogram) and a negative control cell (left histogram) reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:10-1:50 dilution.

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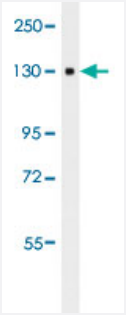

Western Blot (Cell lysate)

Western blot analysis of HepG2 cell line lysates reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:100-1:16000 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against human ITGA6.
Immunogen	Recombinant protein corresponding to human ITGA6.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1
Recommend Usage	Flow Cytometry (1:10-1:50) Immunohistochemistry (1:10-1:50) Immunofluorescence (1:10-1:50) Western Blot (1:100-1:16000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 shoul d be handled by trained staff only.

Applications

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- Immunofluorescence

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  Western blot analysis of HepG2 cell line lysates reacted with ITGA6 monoclonal antibody (Cat # MAB12290) at 1:100-1:16000 dilution.

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 pr oteins composed of an alpha chain and a beta chain. A given chain may combine with multiple pa rtners 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 c ell 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)

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- 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

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