

Summary

Production Name	ITA6 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,FC
Reactivity	Human, Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in TBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	ITA6
Alternative Names	Integrin alpha-6, CD49 antigen-like family member F, VLA-6, CD49f, Integrin alpha-6 heavy chain, Integrin alpha-6 light chain, Processed integrin alpha-6, Alpha6p, ITGA6
Gene ID	3655.0
SwissProt ID	P23229.ITA6 recombinant protein is used to produce this monoclonal antibody.

Application

Dilution Ratio	WB:1:100-1:16000,IHC:1:100-1:500,ICC:1:10-1:50,FC:1:10-1:50
Molecular Weight	126.6kDa

Background

Product Name: ITA6 Mouse Monoclonal Antibody
Catalog #: AMM85909

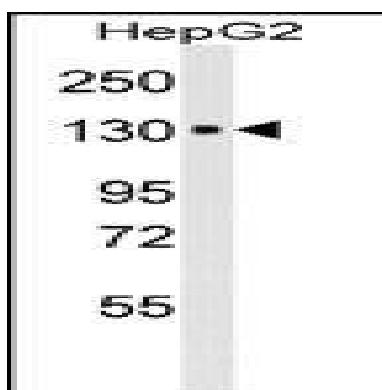


The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred 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.

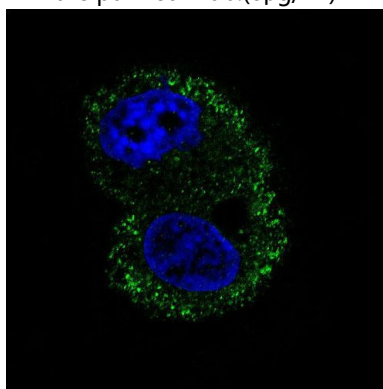
Research Area

PI3K-Akt signaling pathway

Image Data

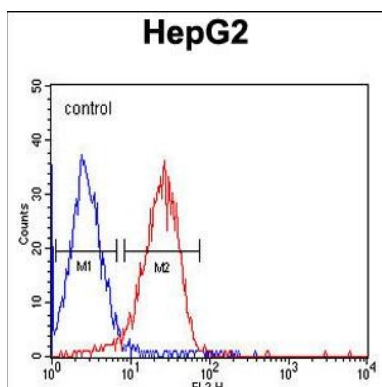


Western blot analysis of anti-ITA6 (Cat. #AMM85909) in HepG2 cell line lysates (35µg/lane). ITA6 (arrow) was detected using the purified Mab.(8µg/ml)

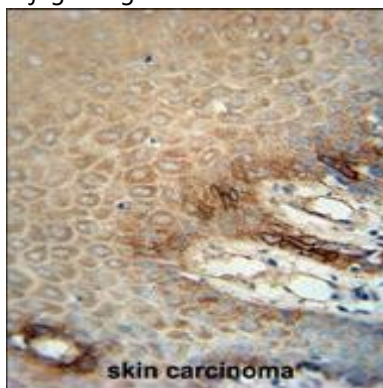


Confocal immunofluorescent analysis of ITA6 Antibody (Cat#AMM85909) with HepG2 cell followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).

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ITA6 Monoclonal Antibody (Cat. #AMM85909) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). PE-conjugated goat-anti-mouse secondary antibodies were used for the analysis.



ITA6 Monoclonal Antibody (Cat. #AMM85909) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ITA6 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

Note

For research use only.