

Anti-ITGA6 Antibody (2Q354)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2Q354
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. Immunofluorescence staining of MCF-7 cell with TMAH-00644 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 536-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).
	2. Overlay Peak curve showing Hela cells surface stained with TMAH-00644 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10 ⁶ cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1ug/1*10 ⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.
Application:	ELISA,FCM,IF
Recommended	IF:1:50-1:200; FCM:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human ITGA6
Antigen Species:	Human
Gene ID:	3655
Uniprot ID:	P23229
Synonyms:	VLA-6;Integrin alpha-6;ITGA 6;CD49 antigen-like family member F;CD antigen CD49f
Biology Area:	Developmental biology, Signal transduction, Stem cells

Research Background

Integrin alpha-6/beta-1 (ITGA6:ITGB1) is a receptor for laminin on platelets. Integrin alpha-6/beta-1 (ITGA6:ITGB1) is present in oocytes and is involved in sperm-egg fusion. Integrin alpha-6/beta-4 (ITGA6:ITGB4) is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome. ITGA6:ITGB4 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling. ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling. ITGA6:ITGB4 binds to IGF2 and this binding is essential for IGF2 signaling.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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