

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **INTEGRIN ALPHA 5 RABBIT MAB**

Cat.#: N262414

**Product Name:** Anti-Integrin alpha 5 Rabbit Monoclonal Antibody **Synonyms:** ITGA5; FNRA; Integrin alpha-5; CD49 antigen-like family member E; Fibronectin receptor subunit alpha; Integrin alpha-F; VLA-5;

CD49e

**UNIPROT ID:** P08648

**Background:** Integrin alpha-5/beta-1 is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. ITGA5:ITGB1 binds to PLA2G2A via a site (site 2) which is distinct from the classical ligand-binding site (site 1) and this induces integrin conformational changes and enhanced ligand binding to site 1. ITGA5:ITGB1 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1.

Immunogen: A synthetic peptide of human Integrin alpha 5

**Applications:** WB,IHC-P,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20

Host Species: Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R02-3G4

MW: Calculated MW: 115 kDa; Observed MW: 150 kDa

**Isotype:** IgG

Purification: Affinity Purified

Species Reactivity: Human, Mouse

**Conjugation:** Unconjugated **Modification:** Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

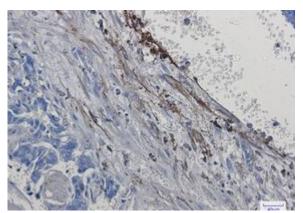
**Research Areas:** Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

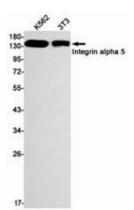


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Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Integrin alpha 5 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Integrin alpha 5 in K562, 3T3 lysates using Integrin alpha 5 antibody.