



Rabbit Anti-ITGA5 monoclonal antibody, clone KK19-05 (CABT-L839)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Integrin alpha 5
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KK19-05
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	150 kDa
Cellular Localization	Membrane, Cell junction, Cell surface.
Positive Control	A549, Hela, human tonsil tissue, mouse uterus tissue, human kidney tissue, human uterus tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Integrins are heterodimers composed of noncovalently associated transmembrane α and β subunits. The 16 α and 8 β subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind ligands that are components of the extracellular matrix, including Fibronectin, Collagen and Vitronectin. Certain integrins can also bind to soluble ligands such as Fibrinogen, or to counterreceptors on adjacent cells such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. Ligands serve to cross-link or cluster integrins by binding to adjacent integrin receptors; both receptor clustering and ligand occupancy are necessary for the activation of integrin-mediated responses. In addition to mediating cell adhesion and cytoskeletal organization, integrins function as signaling receptors. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis.
Keywords	CD49 antigen-like family member E;CD49e;Fibronectin receptor subunit alpha;Fibronectin receptor, alpha subunit;FNRA;Integrin alpha 5 (fibronectin receptor alpha);Integrin alpha-5;Integrin alpha-5 light chain;Integrin alpha-F;Integrin, alpha 5 (fibronectin receptor, alpha polypeptide);ITA5_HUMAN;Itga5;Very late activation protein 5, alpha subunit;VLA-5;VLA5;VLA5A antibody