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Polyclonal Antibody to Integrin Alpha 5 (ITGa5)

Integrin Alpha 5
Catalog # AP74800

Product Information

Application	IHC
Primary Accession	P11688
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	115043

Additional Information

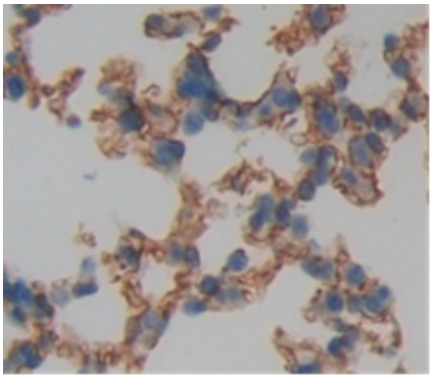
Gene ID	16402
Other Names	CD49e; CD49-E; ITG-A5; FNRA; VLA5A; Fibronectin Receptor, Alpha Polypeptide; Integrin alpha-F; CD49 antigen-like family member E
Target/Specificity	Mus musculus (Mouse)
Dilution	IHC~~Western blotting: 0.2-2 g/mL;1:250-2500 Immunohistochemistry: 5-20 g/mL;1:25-100 Immunocytochemistry: 5-20 g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Itga5
Function	Integrin alpha-5/beta-1 (ITGA5:ITGB1) is a receptor for fibronectin and fibrinogen (PubMed:36812915). 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. ITGA5:ITGB1 acts as a receptor for fibronectin (FN1) and mediates R-G-D-dependent cell adhesion to FN1 (By similarity). ITGA5:ITGB1 is a receptor for IL1B and binding is essential for IL1B signaling. ITGA5:ITGB3 is a receptor for soluble CD40LG and is required for CD40/CD40LG signaling (By similarity). ITGA5:ITGB1 acts as a receptor for SNED1 and mediates R-G-D-dependent cell adhesion to SNED1 (By similarity).

Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P08648}; Single-pass type I membrane protein. Cell junction, focal adhesion {ECO:0000250|UniProtKB:P08648}

Images



Used in DAB staining on fromalin fixed paraffin-embedded Kidney tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.