

Cleaved-Integrin α 5 LC (E895) Polyclonal Antibody
Catalog # AP63164**Specification****Cleaved-Integrin α 5 LC (E895) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P08648
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Cleaved-Integrin α 5 LC (E895) Polyclonal Antibody - Additional Information**Gene ID** 3678**Other Names**

ITGA5; FNRA; Integrin alpha-5; CD49 antigen-like family member E; Fibronectin receptor subunit alpha; Integrin alpha-F; VLA-5; CD antigen CD49e

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Cleaved-Integrin α 5 LC (E895) Polyclonal Antibody - Protein Information**Name** ITGA5 ([HGNC:6141](#))**Synonyms** FNRA**Function**

Integrin alpha-5/beta-1 (ITGA5:ITGB1) 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 (PubMed:18635536, PubMed:25398877). ITGA5:ITGB1 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1 (PubMed:12807887, PubMed:17158881). ITGA5:ITGB1 acts as a receptor for fibronectin (FN1) and mediates R-G-D-dependent cell adhesion to FN1 (PubMed:33962943). ITGA5:ITGB1 is a receptor for IL1B and binding is essential for IL1B signaling (PubMed:29030430). ITGA5:ITGB3

is a receptor for soluble CD40LG and is required for CD40/CD40LG signaling (PubMed:31331973).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell junction, focal adhesion

Tissue Location

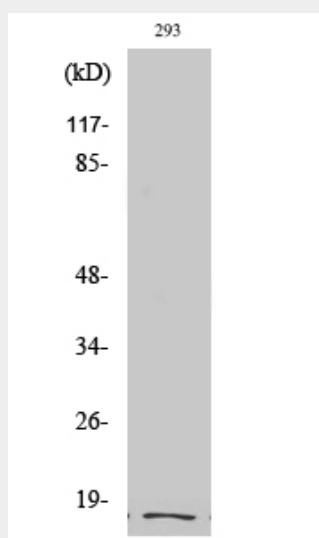
Expressed in placenta (at protein level).

Cleaved-Integrin $\alpha 5$ LC (E895) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cleaved-Integrin $\alpha 5$ LC (E895) Polyclonal Antibody - Images



Cleaved-Integrin $\alpha 5$ LC (E895) Polyclonal Antibody - Background

Integrin alpha-5/beta-1 (ITGA5:ITGB1) 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 (PubMed:18635536, PubMed:25398877). ITGA5:ITGB1 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1 (PubMed:12807887, PubMed:17158881). ITGA5:ITGB1 is a receptor for IL1B and binding is essential for IL1B signaling (PubMed:29030430).