

# Anti-CD49e Antibody

Rabbit polyclonal antibody to CD49e  
Catalog # AP61483

## Product Information

Application	WB
Primary Accession	<a href="#">P08648</a>
Other Accession	<a href="#">P11688</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	114536

## Additional Information

Gene ID	3678
Other Names	FNRA; Integrin alpha-5; CD49 antigen-like family member E; Fibronectin receptor subunit alpha; Integrin alpha-F; VLA-5; CD49e
Target/Specificity	Recognizes endogenous levels of CD49e protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

Name	ITGA5 ( <a href="#">HGNC:6141</a> )
Synonyms	FNRA
Function	<p>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:<a href="#">18635536</a>, PubMed:<a href="#">25398877</a>). ITGA5:ITGB1 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1 (PubMed:<a href="#">12807887</a>, PubMed:<a href="#">17158881</a>). ITGA5:ITGB1 acts as a receptor for fibronectin (FN1) and mediates R-G-D-dependent cell adhesion to FN1 (PubMed:<a href="#">33962943</a>). ITGA5:ITGB1 is a receptor for IL1B and binding is essential for IL1B signaling (PubMed:<a href="#">29030430</a>). ITGA5:ITGB3 is a receptor for soluble CD40LG and is required for CD40/CD40LG signaling (PubMed:<a href="#">31331973</a>).</p>

<b>Cellular Location</b>	Cell membrane; Single-pass type I membrane protein. Cell junction, focal adhesion
<b>Tissue Location</b>	Expressed in placenta (at protein level).

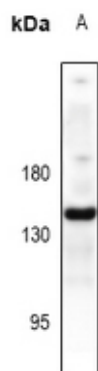
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD49e. The exact sequence is proprietary.

## Images

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Western blot analysis of CD49e expression in HeLa (A) whole cell lysates.

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