

# Integrin alpha V Rabbit mAb

Catalog # AP74854

## Product Information

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<b>Application</b>	WB, IP, ICC
<b>Primary Accession</b>	<a href="#">P06756</a>
<b>Reactivity</b>	Human, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	116038

## Additional Information

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<b>Gene ID</b>	3685
<b>Other Names</b>	ITGAV
<b>Dilution</b>	WB~~1/500-1/1000 IP~~N/A ICC~~N/A
<b>Format</b>	Liquid

## Protein Information

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<b>Name</b>	ITGAV ( <a href="#">HGNC:6150</a> )
<b>Function</b>	The alpha-V (ITGAV) integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase- 2, osteopontin, osteomodulin, prothrombin, thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands. ITGAV:ITGB3 binds to fractalkine (CX3CL1) and may act as its coreceptor in CX3CR1-dependent fractalkine signaling (PubMed: <a href="#">23125415</a> ). ITGAV:ITGB3 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling (PubMed: <a href="#">20682778</a> ). ITGAV:ITGB3 binds to FGF1 and this binding is essential for FGF1 signaling (PubMed: <a href="#">18441324</a> ). ITGAV:ITGB3 binds to FGF2 and this binding is essential for FGF2 signaling (PubMed: <a href="#">28302677</a> ). ITGAV:ITGB3 binds to IGF1 and this binding is essential for IGF1 signaling (PubMed: <a href="#">19578119</a> ). ITGAV:ITGB3 binds to IGF2 and this binding is essential for IGF2 signaling (PubMed: <a href="#">28873464</a> ). ITGAV:ITGB3 binds to IL1B and this binding is essential for IL1B signaling (PubMed: <a href="#">29030430</a> ). ITGAV:ITGB3 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> ). ITGAV:ITGB3 and ITGAV:ITGB6 act as receptors for fibrillin-1 (FBN1) and mediate R-G-D-dependent cell adhesion to FBN1 (PubMed: <a href="#">12807887</a> , PubMed: <a href="#">17158881</a> ). Integrin alpha-V/beta-6 or alpha-V/beta-8 (ITGAV:ITGB6 or ITGAV:ITGB8) mediates R-G-D-dependent release of transforming growth factor beta-1 (TGF-beta-1) from regulatory Latency-associated peptide (LAP), thereby playing a key role in TGF- beta-1

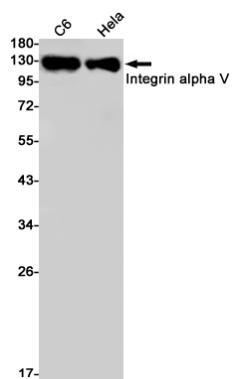
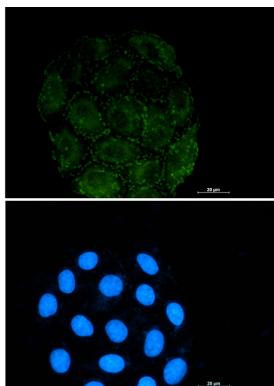
activation (PubMed:[15184403](#), PubMed:[22278742](#), PubMed:[28117447](#)). ITGAV:ITGB3 acts as a receptor for CD40LG (PubMed:[31331973](#)). ITGAV:ITGB3 acts as a receptor for IBSP and promotes cell adhesion and migration to IBSP (PubMed:[10640428](#)).

## Cellular Location

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

## Images

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