

Datasheet for ABIN670221
anti-ITGA5 antibody (AA 1021-1099)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	ITGA5
Binding Specificity:	AA 1021-1099
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ITGA5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	ITGA5
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Target Details

Alternative Name:	Integrin alpha 5 (ITGA5 Products)
Background:	<p>Synonyms: FNRA, CD49e, VLA5A, Integrin alpha-5, CD49 antigen-like family member E, Fibronectin receptor subunit alpha, Integrin alpha-F, VLA-5, ITGA5</p> <p>Background: Integrin alpha-5/beta-1 is a receptor for fibronectin and fibrinogen. It recognizes the sequence R-G-D in its ligands. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.</p>
Gene ID:	3678
UniProt:	P08648
Pathways:	Integrin Complex

Application Details

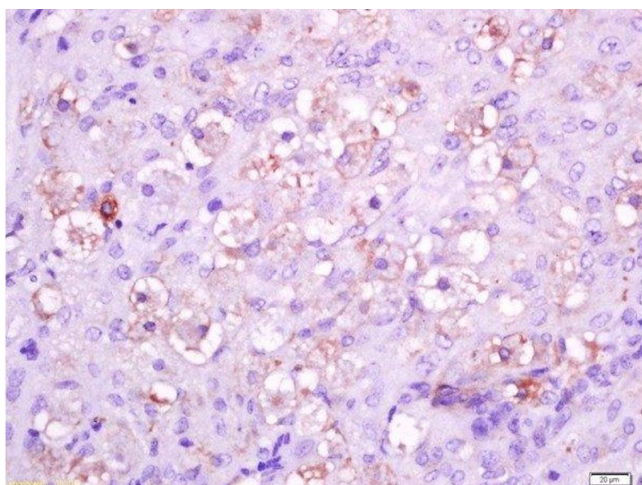
Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

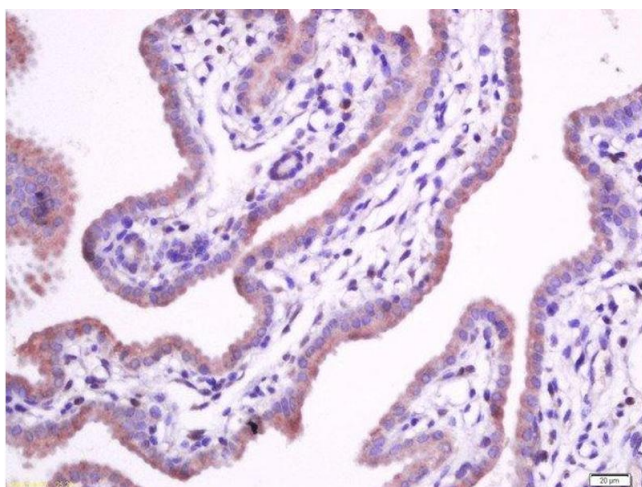
- Product cited in: Torkamani, Rufaut, Jones, Sinclair: "Epidermal Cells Expressing Putative Cell Markers in Nonglabrous Skin Existing in Direct Proximity with the Distal End of the Arrector Pili Muscle." in: **Stem cells international**, Vol. 2016, pp. 1286315, (2016) ([PubMed](#)).
- Zhang, Wang, Zhang, Zhang, Guo, Luo, Zhou, He, Zhang: "Rho/MRTF-A-Induced Integrin Expression Regulates Angiogenesis in Differentiated Multipotent Mesenchymal Stem Cells." in: **Stem cells international**, Vol. 2015, pp. 534758, (2015) ([PubMed](#)).
- Cui, Xu, Ma, Gao, Liu, Yue, Wu: "The role of integrin- α 5 in the proliferation and odontogenic differentiation of human dental pulp stem cells." in: **Journal of endodontics**, Vol. 40, Issue 2, pp. 235-40, (2014) ([PubMed](#)).

Images



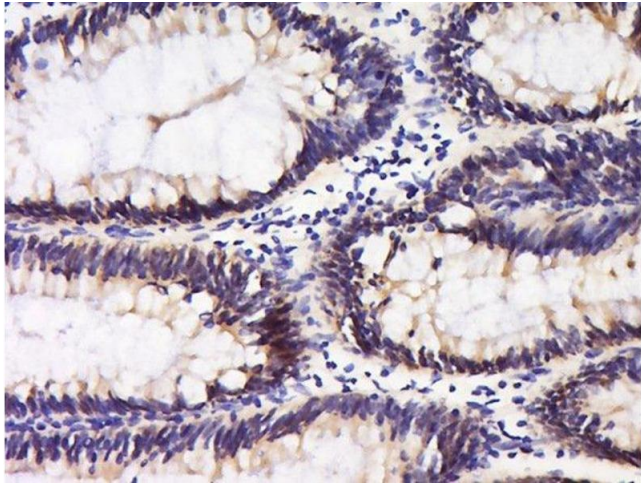
Western Blotting

Image 1. paraformaldehyde-fixed, paraffin embedded mouse placenta tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-Integrin alpha 5 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. paraformaldehyde-fixed, paraffin embedded mouse placenta tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-Integrin alpha 5 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. paraformaldehyde-fixed, paraffin embedded mouse placenta tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-Integrin alpha 5 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN670221.