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ITGB5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14000a

Product Information

Application	WB, IHC-P, E
Primary Accession	P18084
Other Accession	O70309, P80747, NP_002204.2
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33832
Calculated MW	88054
Antigen Region	216-244

Additional Information

Gene ID	3693
Other Names	Integrin beta-5, ITGB5
Target/Specificity	This ITGB5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 216-244 amino acids from the N-terminal region of human ITGB5.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ITGB5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ITGB5
Function	Integrin alpha-V/beta-5 (ITGAV:ITGB5) is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.

Cellular Location Cell membrane; Single-pass type I membrane protein

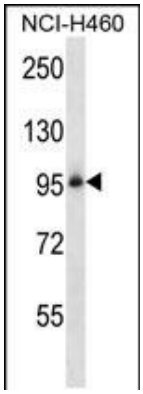
Background

Integrin alpha-V/beta-5 is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.

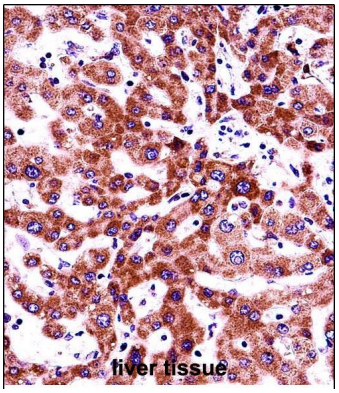
References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Li, Z., et al. J. Biol. Chem. 285(31):23699-23710(2010)
Leifheit-Nestler, M., et al. Arterioscler. Thromb. Vasc. Biol. 30(7):1398-1406(2010)
Lane, D., et al. Oncogene 29(24):3519-3531(2010)
Lyle, C., et al. Virol. J. 7, 148 (2010) :

Images



ITGB5 Antibody (N-term) (Cat. #AP14000a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the ITGB5 antibody detected the ITGB5 protein (arrow).



ITGB5 Antibody (N-term) (Cat. #AP14000a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ITGB5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- Cisplatin suppresses the growth and proliferation of breast and cervical cancer cell lines by inhibiting integrin β5-mediated glycolysis.

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