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Datasheet for ABIN656138

anti-ITGA5 antibody (AA 575-602)

3 Images

1 Publication

Overview

Quantity:	400 µL
Target:	ITGA5
Binding Specificity:	AA 575-602
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ITGA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 575-602 amino acids from the Central region of human ITGA5.
Clone:	RB20677
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ITGA5
Alternative Name:	ITGA5 (ITGA5 Products)

Target Details

Background:	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. [provided by RefSeq].
Molecular Weight:	114536
Gene ID:	3678
NCBI Accession:	NP_002196
UniProt:	P08648
Pathways:	Integrin Complex

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

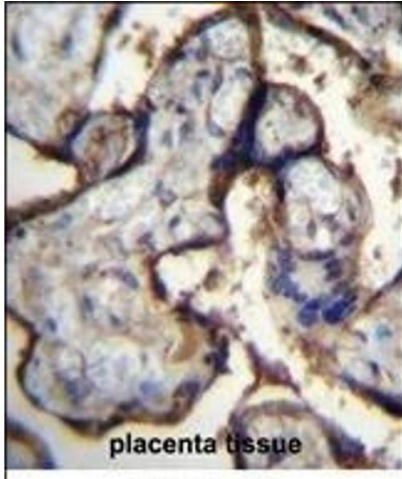
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	ITGA5 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

Publications

Product cited in:	Jiang, Sun, Li, Hu, Zhou, Jiang, Xu: "Calycosin-7-O-?-D-glucoside promotes oxidative stress-induced cytoskeleton reorganization through integrin-linked kinase signaling pathway in
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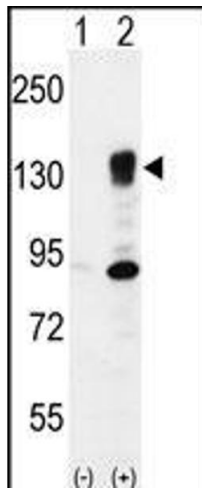
vascular endothelial cells." in: **BMC complementary and alternative medicine**, Vol. 15, pp. 315, (2015) ([PubMed](#)).

Images



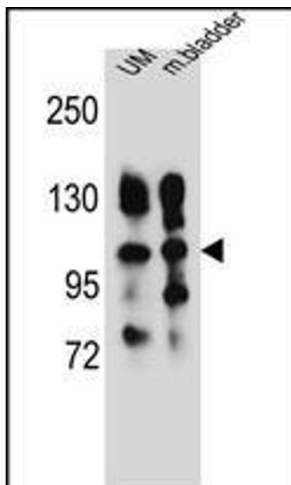
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. ITGA5 Antibody (Center) (ABIN656138 and ABIN2845477) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ITGA5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of ITGA5 (arrow) using rabbit polyclonal ITGA5 Antibody (Center) (ABIN656138 and ABIN2845477). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ITGA5 gene.



Western Blotting

Image 3. ITGA5 Antibody (Center) (ABIN656138 and ABIN2845477) western blot analysis in human uterine tumor and mouse bladder tissue lysates (35 µg/lane). This demonstrates the ITGA5 antibody detected the ITGA5 protein (arrow).