

Product Name: KD-Validated ITGB1BP1 Mouse Oligoclonal Antibody**Catalog #: KVA00356**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG
Clonality	Mouse oligoclonal antibody
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000; FC 1:200-1:2,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 21.8kDa

Antigen Information

Gene Name	ITGB1BP1
Alternative Names	ITGB1BP1; Integrin Subunit Beta 1 Binding Protein 1; ICAP1; Integrin Cytoplasmic Domain-Associated Protein 1; ICAP-1alpha; ICAP-1A; ICAP-1B; ICAP1A; ICAP1B; Integrin Cytoplasmic Domain-Associated Protein 1-Alpha; Integrin Cytoplasmic Domain-Associated Protein 1-Beta; Integrin Beta-1-Binding Protein 1; Bodenin; Integrin Beta 1 Binding Protein 1; ICAP-1
Gene ID	9270.0
SwissProt ID	O14713
Immunogen	Recombinant protein of human ITGB1BP1

Background

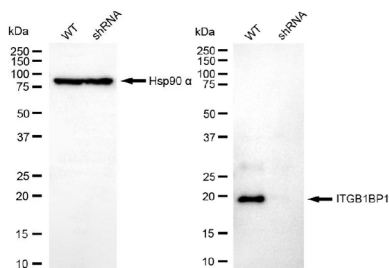
The cytoplasmic domains of integrins are essential for cell adhesion. The protein encoded by this gene binds to the beta1

integrin cytoplasmic domain. The interaction between this protein and beta1 integrin is highly specific. Two isoforms of this protein are derived from alternatively spliced transcripts. The shorter form of this protein does not interact with the beta1 integrin cytoplasmic domain. The longer form is a phosphoprotein and the extent of its phosphorylation is regulated by the cell-matrix interaction, suggesting an important role of this protein during integrin-dependent cell adhesion. Several transcript variants, some protein-coding and some non-protein coding, have been found for this gene. [provided by RefSeq, Jan 2016]

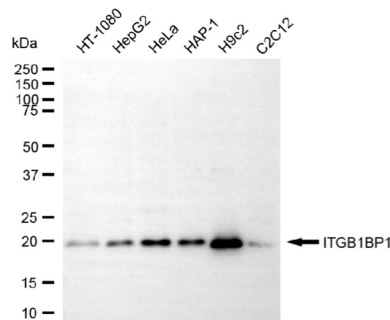
Research Area

Epigenetics and Nuclear Signaling, Signal Transduction,

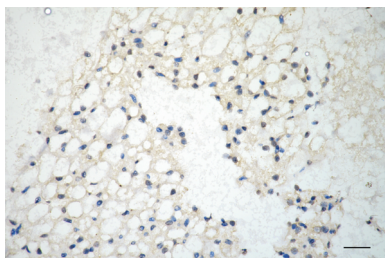
Image Data



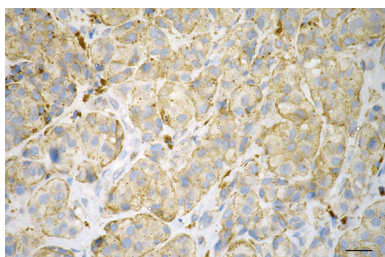
Western blotting analysis using ITGB1BP1 antibody (KVA00356). ITGB1BP1 expression in wild-type (WT) and ITGB1BP1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ITGB1BP1 antibody (KVA00356, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



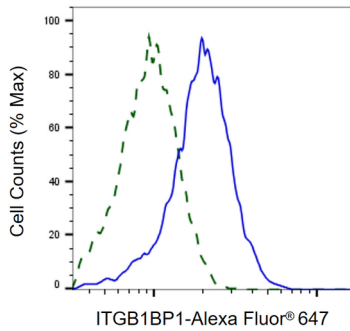
Western blotting analysis using ITGB1BP1 antibody (KVA00356). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ITGB1BP1 antibody (KVA00356, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded mouse brown adipose tissue using ITGB1BP1 antibody (KVA00356, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar, 25 µm.



Immunohistochemistry was performed on paraffin-embedded human melanoma using ITGB1BP1 antibody (KVA00356, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar, 25 µm.



Validation of ITGB1BP1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with ITGB1BP1 antibody (KVA00356, 1:2,000) and analyzed using BD flow cytometer.