

Rabbit ITGA6 Polyclonal Antibody | anti-ITGA6 antibody

ITGA6 Antibody (isoform 2 S1064)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284707	Rabbit	Human (Predicted Reactivity: Chicken)	ELISA, Immunohistochemistry, Immunofluorescence, Western Blot

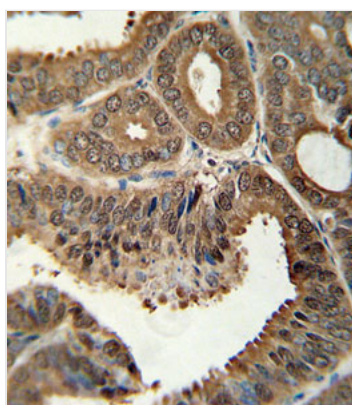
PRODUCT SYNONYMS

ITGA6; Polyclonal Antibody; ITGA6 Antibody (isoform 2 S1064); Integrin alpha-6; CD49 antigen-like family member F; VLA-6; CD49f; Integrin alpha-6 heavy chain; Integrin alpha-6 light chain; Processed integrin alpha-6; Alpha6p; anti-ITGA6 antibody

PRODUCT SPECIFICATIONS

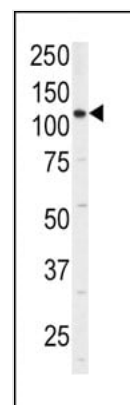
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ITGA6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1043-1072 amino acids from human ITGA6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	1043-1072
Sequence Length	1,097
Applicable Applications for anti-ITGA6 antibody	ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



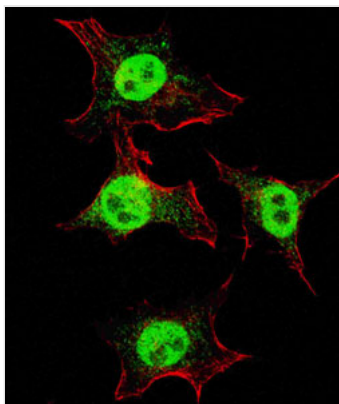
IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with ITGA6 Antibody (isoform 2 S1064), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



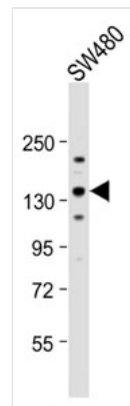
WB (Western Blot)

Western blot analysis of anti-ITGA6 Antibody (isoform 2 S1064) in 293 cell line lysates (35ug/lane). ITGA6 (arrow) was detected using the purified Pab.



IF (Immunofluorescence)

Fluorescent confocal image of HeLa cells stained with ITGA6 (isoform 2 S1064) antibody. HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AAA284707 ITGA6 (isoform 2 S1064) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). Note the highly specific localization of the ITGA6 mainly to the nucleus, supported by Human Protein Atlas Data (<http://www.proteinatlas.org/ENSG00000091409>).



WB (Western Blot)

Anti-ITGA6 Antibody (isoform 2 S1064) at 1:1000 dilution + SW480 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 119 kDa. Blocking/Dilution buffer: 5% NFDN/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA6 antibody	The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling.
Product Categories/Family for anti-ITGA6 antibody	Developmental Biology ; Signal Transduction
References	References for protein: - Yang, X.H., Cancer Res. 68 (9), 3204-3213 (2008) - Hayashi, R., Biochem. Biophys. Res. Commun. 367 (2), 256-263 (2008) References for HeLa cell line: - Scherer WF, Syverton JT, Gey GO (May 1953). "Studies on the propagation in vitro of poliomyelitis viruses. IV. Viral multiplication in a stable strain of human malignant epithelial cells (strain HeLa) derived from an epidermoid carcinoma of the cervix". J. Exp. Med. 97 (5): 695-710. [PubMed:13052828]. - Macville M, Schröck E, Padilla-Nash H, Keck C, Ghadimi BM, Zimonjic D, Popescu N, Ried T (January 1999). "Comprehensive and definitive molecular cytogenetic characterization of HeLa cells by spectral karyotyping". Cancer Res. 59 (1): 141-50. [PubMed: 9892199]. - Rahbari R, Sheahan T, Modes V, Collier P, Macfarlane C, Badge RM (April 2009). "A novel L1 retrotransposon marker for HeLa cell line identification". BioTechniques 46 (4): 277-84. [PubMed: 19450234]. - Capes-Davis A, Theodosopoulos G, Atkin I, Drexler HG, Kohara A, MacLeod RA, Masters JR, Nakamura Y, Reid YA, Reddel RR, Freshney RI (July 2010). "Check your cultures! A list of cross-contaminated or misidentified cell lines". Int. J. Cancer 127 (1): 1-8. [PubMed:20143388].

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395742
NCBI GeneID	3655
NCBI Accession #	NP_000201.2 ; NP_001073286.1
NCBI GenBank Nucleotide #	NM_000210.2
UniProt Accession #	P23229 ; Q08443 ; Q0MRC7 ; Q14646 ; Q16508 ; Q53RX7 ; Q59HB7 ; B2RMU9 ; B4DG69 ; B4DKB8 ; C4AM96 ; G5E9H1

Molecular Weight	126606
NCBI Official Full Name	integrin alpha-6 isoform b
NCBI Official Synonym Full Names	integrin, alpha 6
NCBI Official Symbol	ITGA6
NCBI Official Synonym Symbols	CD49f; VLA-6; ITGA6B
NCBI Protein Information	integrin alpha-6
UniProt Protein Name	Integrin alpha-6
UniProt Gene Name	ITGA6
UniProt Synonym Gene Names	Alpha6p
UniProt Entry Name	ITA6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/itga6-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/284707>