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Datasheet for ABIN3042822
anti-ITGA7 antibody (C-Term)

1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	ITGA7
Binding Specificity:	AA 1123-1139, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Integrin alpha-7(ITGA7) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human ITGA7(1123-1139aa HAVKIPREDRQQFKEEK), identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
Sequence:	HAVKIPREDR QQFKEEK
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse, rat No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Product Details

Characteristics: Rabbit IgG polyclonal antibody for Integrin alpha-7(ITGA7) detection. Tested with WB in Human,Mouse,Rat.
Gene Name: integrin, alpha 7
Protein Name: Integrin alpha-7

Purification: Immunogen affinity purified.

Target Details

Target: ITGA7

Alternative Name: ITGA7 ([ITGA7 Products](#))

Background: Integrin alpha-7 is a protein that in humans is encoded by the ITGA7 gene. This gene is mapped to 12q13.2. The protein encoded by this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. They mediate a wide spectrum of cell-cell and cell-matrix interactions, and thus play a role in cell migration, morphologic development, differentiation, and metastasis. This protein functions as a receptor for the basement membrane protein laminin-1. It is mainly expressed in skeletal and cardiac muscles and may be involved in differentiation and migration processes during myogenesis. Defects in this gene are associated with congenital myopathy.

Synonyms: alpha 7 antibody|FLJ25220 antibody|Integrin alpha 7 antibody|Integrin alpha 7 chain antibody|Integrin alpha 7 heavy chain antibody|Integrin alpha 7 light chain antibody|Integrin alpha-7 70 kDa form antibody|ITA7_HUMAN antibody|ITGA 7 antibody|Itga7 antibody

UniProt: [Q13683](#)

Pathways: [Integrin Complex](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

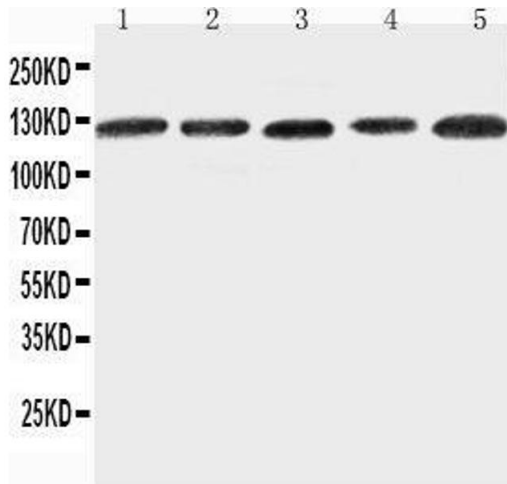
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Publications

Product cited in:	Zhang, Wu: "Fasudil inhibits proliferation and migration of Hep-2 laryngeal carcinoma cells." in: Drug design, development and therapy , Vol. 12, pp. 373-381, (2018) (PubMed).
	Zhou, Wu, Ma, Xiao, Yu, Yang, Xu, Zhang, Zhou, Ye, Wang: "Attenuation of TGFBR2 expression and tumour progression in prostate cancer involve diverse hypoxia-regulated pathways." in: Journal of experimental & clinical cancer research : CR , Vol. 37, Issue 1, pp. 89, (2018) (PubMed).
	Schwartz, Bochkariov: "Novel chemiluminescent Western blot blocking and antibody incubation solution for enhanced antibody-antigen interaction and increased specificity." in: Electrophoresis , Vol. 38, Issue 20, pp. 2631-2637, (2017) (PubMed).
	Zuo, Liu, Zhang, Wu, Guo, Liao: "Development of trastuzumab-resistant human gastric carcinoma cell lines and mechanisms of drug resistance." in: Scientific reports , Vol. 5, pp. 11634, (2015) (PubMed).

Chen, Bao, Zhou, Wang, Wei, Fan: "Glucose transporter-1 expression in CD133+ laryngeal carcinoma Hep-2 cells." in: **Molecular medicine reports**, Vol. 8, Issue 6, pp. 1695-700, (2013) ([PubMed](#)).



Western Blotting

Image 1. Anti-ITGA7 antibody, Western blotting Lane 1: 293T Cell Lysate Lane 2: A431 Cell Lysate Lane 3: HELA Cell Lysate Lane 4: JURKAT Cell Lysate Lane 5: RAJI Cell Lysate