

Datasheet for ABIN390974
anti-CD11c antibody (C-Term)



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Overview

Quantity:	400 µL
Target:	CD11c (ITGAX)
Binding Specificity:	AA 1119-1145, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD11c antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ITGAX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1119-1145 amino acids from the C-terminal region of human ITGAX.
Clone:	RB21771
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CD11c (ITGAX)
Alternative Name:	ITGAX (ITGAX Products)

Target Details

Background:	ITGAX is the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles.
Molecular Weight:	127829
Gene ID:	3687
NCBI Accession:	NP_000878
UniProt:	P20702
Pathways:	Complement System , Activated T Cell Proliferation , Integrin Complex

Application Details

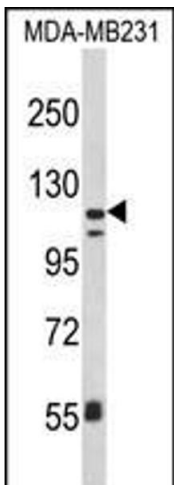
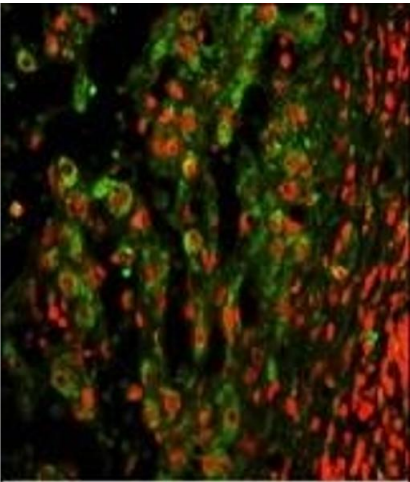
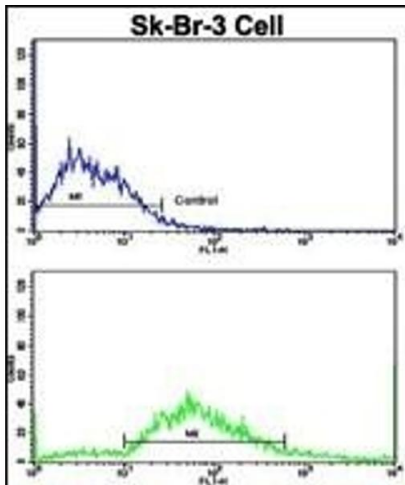
Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Oanh, Park, Cho: "Mitochondria elongation is mediated through SIRT1-mediated MFN1 stabilization." in: Cellular signalling , Vol. 38, pp. 67-75, (2018) (PubMed).
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Flow Cytometry

Image 1. Flow cytometric analysis of SK-Br-3 cells using ITGAX Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunofluorescence

Image 2. Immunofluorescence analysis of ITGAX Antibody (C-term) with paraffin-embedded human hepatocarcinoma. 0.05 mg/mL primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence.Red counterstaining is PI.

Western Blotting

Image 3. Western blot analysis of ITGAX Antibody (C-term) (ABIN390974 and ABIN2841153) in MDA-M cell line lysates (35 µg/lane). ITGAX (arrow) was detected using the purified Pab.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN390974.