

ITGAX Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6986B

Specification

ITGAX Antibody (C-term) - Product Information

| | |
|-------------------|------------------------|
| Application | IF, WB, IHC-P, FC,E |
| Primary Accession | P20702 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 127829 |
| Antigen Region | 1119-1145 |

ITGAX Antibody (C-term) - Additional Information

Gene ID 3687

Other Names

Integrin alpha-X, CD11 antigen-like family member C, Leu M5, Leukocyte adhesion glycoprotein p150, 95 alpha chain, Leukocyte adhesion receptor p150, CD11c, ITGAX, CD11C

Target/Specificity

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.

Dilution

IF~~1:10~50
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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.

Storage

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

Precautions

ITGAX Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ITGAX Antibody (C-term) - Protein Information

Name ITGAX

Synonyms CD11C

Function Integrin alpha-X/beta-2 is a receptor for fibrinogen. It recognizes the sequence G-P-R in fibrinogen. It mediates cell-cell interaction during inflammatory responses. It is especially important in monocyte adhesion and chemotaxis.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

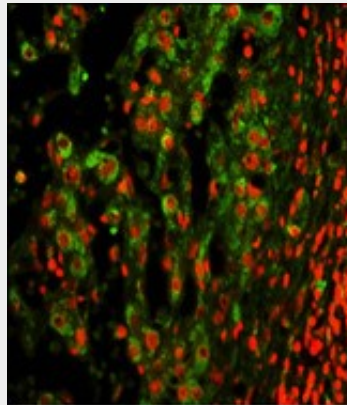
Predominantly expressed in monocytes and granulocytes

ITGAX Antibody (C-term) - Protocols

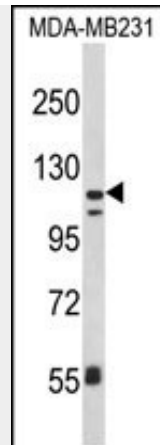
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

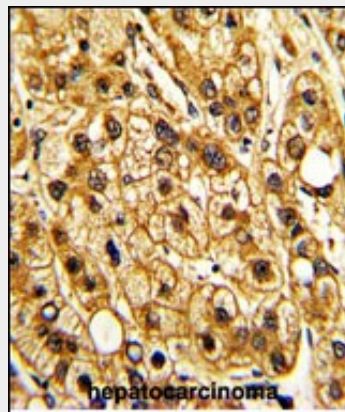
ITGAX Antibody (C-term) - Images



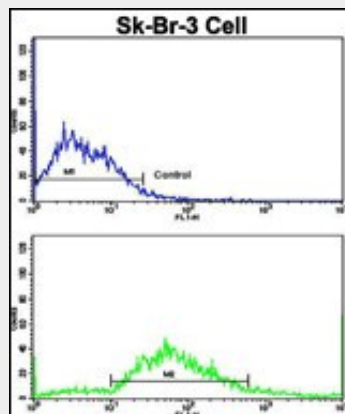
Immunofluorescence analysis of ITGAX Antibody (C-term) with paraffin-embedded human hepatocarcinoma . 0.05 mg/ml primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence.Red counterstaining is PI.



Western blot analysis of ITGAX Antibody (C-term) (Cat. #AP6986b) in MDA-MB231 cell line lysates (35ug/lane). ITGAX (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma with ITGAX Antibody (C-term), 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.



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.

ITGAX Antibody (C-term) - 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.

ITGAX Antibody (C-term) - References

Bulloch, K., et al., J. Comp. Neurol. 508 (5), 687-710 (2008)

ITGAX Antibody (C-term) - Citations

- [Mitochondria elongation is mediated through SIRT1-mediated MFN1 stabilization.](#)