Datasheet for ABIN129531

anti-CD97 antibody (Extracellular Domain)

2 Images

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Overview

Quantity:	500 µg
Target:	CD97
Binding Specificity:	AA 1-512, Extracellular Domain
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD97 antibody is un-conjugated
Application:	Western Blotting (WB), Fluorescence Microscopy (FM)

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to amino acids 1-512 of mouse CD97 protein. Immunogentype:Recombinant
Isotype:	IgG
Cross-Reactivity:	Chimpanzee
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	CD97
Alternative Name:	CD97 (CD97 Products)

Target Details

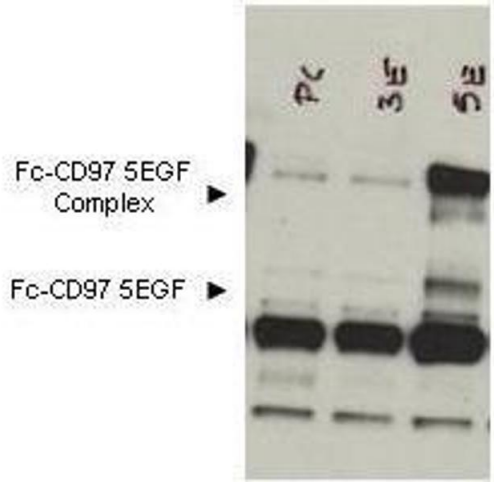
Background:	This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. CD97 is a membrane antigen that is either constitutively expressed or induced by activation on cells of the immune system including Synonyms: CD 97 antibody, CD97 antigen antibody, CD97 molecule antibody, Leukocyte antigen CD97 antibody
Gene ID:	26364, 251823835
UniProt:	Q9Z0M6

Application Details

Application Notes:	This Protein A purified antibody has been tested for use in immunofluorescence microscopy and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 81 kDa in size corresponding to isoform 1 of CD97 protein by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

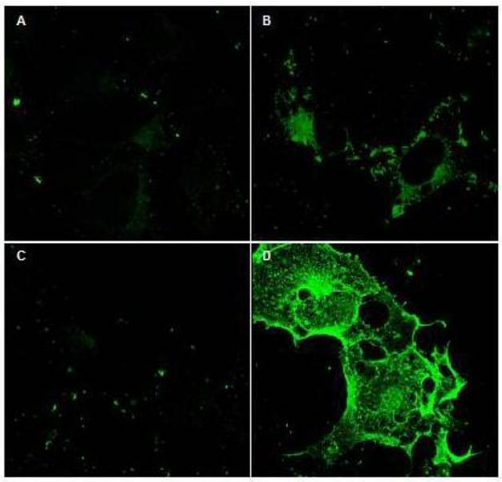
Handling

Format:	Lyophilized
Reconstitution:	Restore with deionized water (or equivalent)
Concentration:	5.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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



Western Blotting

Image 1. Western blot using Protein A purified anti-CD97 antibody shows detection of bands corresponding to free Fc-CD97- (5EGF) (lower arrowhead) and Fc-CD97- (5EGF) present as a complex (upper arrowhead) in lysates from COS cells. The left lane contains lysate from cells transfected with control DNA. The right lane contains lysate from COS cells expressing Fc-CD97- (5EGF). No staining was noted from bone marrow lysates taken from CD97 knockout mice. The identity of the band at ~65 kDa appearing in all lanes is not known. The formation of the CD97 complex is currently under investigation. Approximately 10 ul of lysate was used in each lane. A 1:1,000 dilution of the primary antibody was used. The image was processed using a 10-sec exposure. Personal Communication. Yvona Ward. NIH, NCI, CCR, Bethesda, MD.



Immunofluorescence

Image 2. Immunofluorescence Microscopy using Protein A purified anti-CD97 antibody shows staining of Fc-CD97- (5EGF) (panel D) in transfected COS cells. Panel A and C shows similar staining using pre-immune serum. Panel A and B show staining of mock transfected COS cells (no vector). A 1:2,500 dilution of the primary antibody was used. Personal Communication. Yvona Ward. NIH, NCI, CCR, Bethesda, MD.

