Datasheet for ABIN349624

anti-CYTIP antibody (C-Term)

1 Image

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Overview

Quantity:	100 µg
Target:	CYTIP
Binding Specificity:	C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Cybr Antibody
Immunogen:	Immunogen: This antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region in the carboxy terminal portion of mouse Cybr. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against mouse Cybr.A BLAST analysis was used to suggest cross-reactivity with Cybr from mouse and rat based on a 100 % homology with the immunizing sequence.
Characteristics:	Synonyms: rabbit anti-Cybr Antibody, Cytohesin-interacting protein, Cytohesin-binding protein HE, Cbp HE, Pleckstrin homology Sec7 and coiled-coil domains-binding protein, Pscdbp, Cytip
Purification:	Affinity purified antibody

Product Details

Sterility:	Sterile filtered

Target Details

Target:	CYTIP
Alternative Name:	Cytip (CYTIP Products)
Background:	Background: This antibody is designed, produced, and validated as part of a collaboration with the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. Cybr (Pscdbp) is a new scaffold protein with significant homology to Tamalin. It contains a PDZ binding domain and a coiled-coil domain. Cybr is highly expressed in the immune system, and its expression seems to be common to nearly all immune cell populations (T cells, B cells, NK Macrophages, dendritic cells). Other organs/tissues in which Cybr is expressed include lung, kidney, intestine and testes. Cybr may play an important in vivo role in cell migration, especially when modulated by pro-inflammatory cytokines.
Gene ID:	227929, 21105855
UniProt:	Q91VY6

Application Details

Application Notes:	Application Note: This antibody has been tested for use in ELISA, western blot, and immunoprecipitation. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 40 kDa in size corresponding to Cybr by western blotting in the appropriate cell lysate or extract. Western Blot Dilution: 1:1,000 ELISA Dilution: 1:5,000 - 1:20,000 Other: User Optimized
Restrictions:	For Research Use only

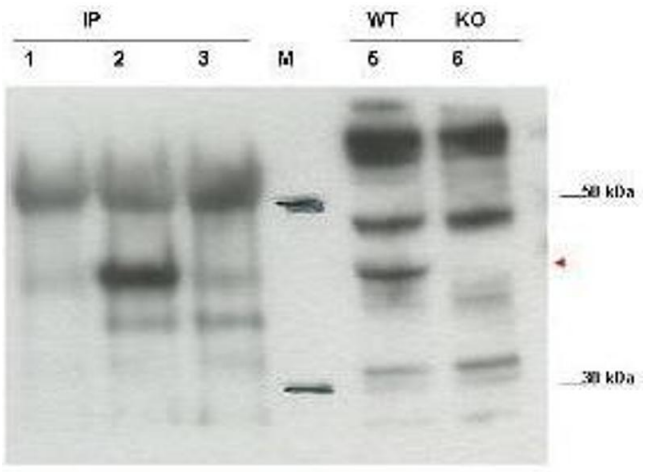
Handling

Format:	Liquid
Concentration:	0.86 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide

Handling

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:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot using affinity purified anti-Cybr antibody shows detection of endogenous Cybr from mouse splenocytes using anti-Cybr antibody to immunoprecipitate and western blot (lanes 1-3). Lane 1 shows reactivity of pre-immune sera. Lane 2 shows endogenous Cybr detected with antibody. Lane 3 shows no band detected in lysates prepared from splenocytes of Cybr knock-out mouse. Lane 5 shows direct western blot of wt splenocytes. Lane 6 shows direct western blot of knock out mouse. Personal Communication, V. Coppola, NCI, Bethesda, MD.