

Datasheet for 600-401-A23S**Cybr Antibody****Overview**

Description:	Anti-Cybr (RABBIT) Antibody - 600-401-A23S
Item No.:	600-401-A23S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

Background:	This antibody is designed, produced, and validated as part of a collaboration between Rockland and 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.
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
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Cytip
Reactivity:	Mouse
Immunogen Type:	Conjugated Peptide
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.

Purity/Specificity: 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. Reactivity against homologues from other sources is not known.

Relevant Links:

- [UniProtKB - Q91VY6](#)
- [NCBI - 21105855](#)
- [GeneID - 227929](#)

Application Details

Tested Applications: ELISA, WB

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. This antibody detects endogenous and over-expressed Cybr protein and is capable of immunoprecipitating the antigen from lysates.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000 - 1:20,000

IHC: User Optimized

WB: 1:1000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 0.86 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

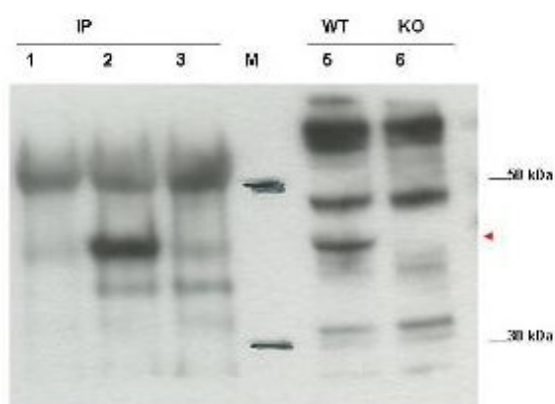
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is three (3) months from date of receipt.

Images



Western Blot

Western blot using Rockland's 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.

Disclaimer

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