

Datasheet for 100-401-A23**Cybr Antibody****Overview**

Description:	Anti-Cybr (RABBIT) Antibody - 100-401-A23
Item No.:	100-401-A23
Size:	100 µL
Applications:	ELISA, IP, WB
Reactivity:	Human, Mouse, Rat
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). 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. Anti-Cybr Antibody is suitable for researchers interested in the Research Areas of Chromatin, Immunology, Neuroscience, and Signal Transduction.
Synonyms:	rabbit anti-Cybr antibody, Cytohesin binder and regulator antibody, Cytohesin-binding protein HE antibody, Cytohesin-interacting protein antibody, Pleckstrin Homology Sec7 and Coiled-Coil Domains Binding Protein antibody, B31 antibody, PSCDBP antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	Cytip
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	PSCDBP antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region in the C-terminal portion of mouse Cybr.
Purity/Specificity:	This Cybr antibody is directed against mouse Cybr. The product is delipidated and defibrinated antiserum. 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, IP, WB
Application Note:	This antibody has been tested for use in ELISA 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 after IP in the appropriate cell lysate or extract. To date, this antibody has not shown direct detection of endogenous or over-expressed Cybr protein, but is capable of immunoprecipitating the antigen from lysates. It is possible, but has not yet been confirmed, that this antibody recognizes a conformational epitope.
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
IP:	1:100
WB:	1:1,000 - 1:10,000

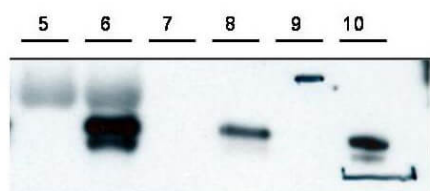
Formulation

Physical State:	Lyophilized
Concentration:	85 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store PSCDBP antibody / Anti-Cybr at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. 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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



WB anti-HA

Western Blot

Western blot using Rockland's anti-Cybr antibody shows detection of recombinant Cybr using anti-HA tag antibody after immunoprecipitation using anti-Cybr. Lane 5 contains lysate from control HEK293 cells. Lane 6 shows IP/WB of HEK293 cells expressing Cybr-HA. Lane 7 and 8 are loaded similarly to lanes 5 and 6 but were immunoprecipitated with anti-HA. Lane 9 contains marker. Lane 10 contains purified CybrHA. Personal Communication, V. Coppola, NCI, Bethesda, MD.

Disclaimer

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