Cyclophilin A (human) polyclonal antibody

Immunophilins are a family of soluble cytosolic receptors capable of binding to one of two major immunosuppressant agents - cyclosporin A (CsA) or FK506. Proteins that bind FK506 are termed FK506 Binding Proteins (FKBPs) and those that bind cyclosporin A are called cyclophilins (CyP).
Both CyP:CsA and FKBP:FK506 complexes have been shown to inhibit calcineurin, a calcium and calmodulin dependent protein phosphatase which has been implicated as an important signalling enzyme in T-cell activation, providing a possible mechanism of immunosuppression by CsA and FK506. Immunophilins function as peptidyl prolyl cis-trans-isomerases (PPIase) whose activity is inhibited by their respective immunosuppressant compounds. As PPIase's, immunophilins accelerate folding of some proteins both in vivo and in vitro by catalyzing slow steps in the initial folding and rearrangement of proline containing proteins.
Within the cyclophilin family, there are several different proteins which show a high degree of homology including CyPA, CyPB and CyPC. CyPA, also termed CyP-18, is the most abundant and ubiquitous cyclophilin found in all vertebrate tissues and is present in T-cells.

This antibody is covered by our Worry-Free Guarantee.

Citations: 1 View Online »

Ordering Information

Order Online »

ALX-210-351-R400	400µl

Manuals, SDS & CofA

View Online »

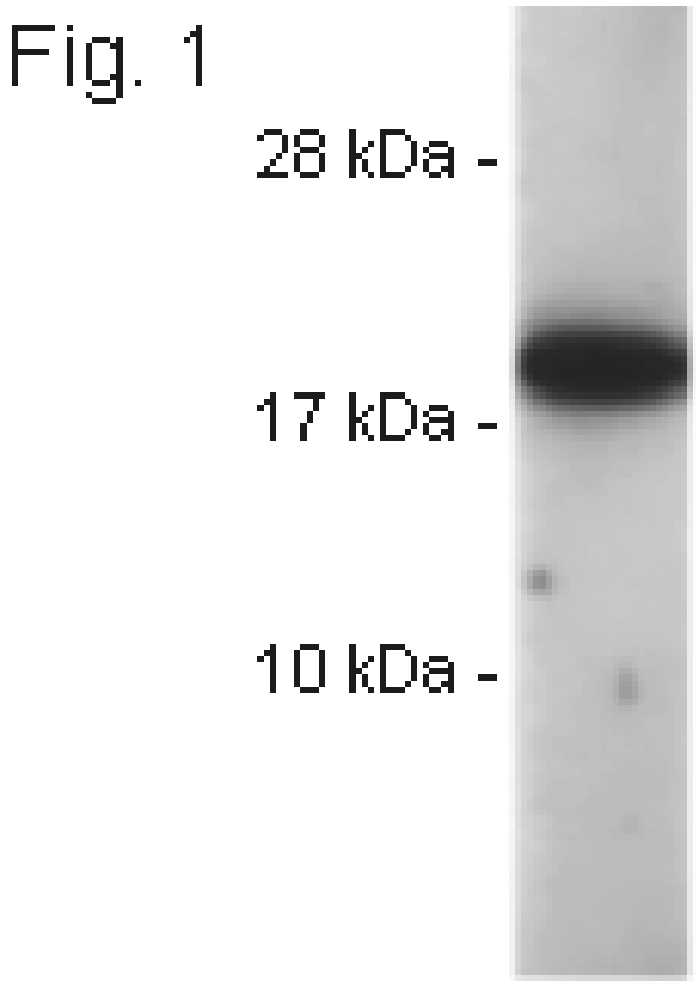


Figure 1: Western blot on 0.5 ug recombinant human CyPA using cyclophilin A (human), pAb (Prod. No. ALX-210-351).”””,Cyclophilin A (human) polyclonal antibody Western blot,Cyclophilin A (human) polyclonal antibody Western blot,yes
ALX-210-356,ALX-210-356_IHC.gif,http://static.enzolifesciences.com/fileadmin/files/image/ALX-210-356_IHC.gif,Immunohistochemistry of actinin-4 distribution in rat kidney using PAb to α-Actinin-4 (Prod. No. ALX-210-356).,α-Actinin-4 polyclonal antibody Immunohistochemistry,α-Actinin-4 polyclonal antibody Immunohistochemistry,yes
ALX-210-356,ALX-210-356_WB.gif,http://static.enzolifesciences.com/fileadmin/files/image/ALX-210-356_WB.gif,Western blot of mouse kidney (lane 1) and brain (lane 2) using PAb to α-Actinin-4 (Prod. No. ALX-210-356).,α-Actinin-4 polyclonal antibody Western blot,α-Actinin-4 polyclonal antibody Western blot,yes
ALX-210-356,ALX-210-356_Immunoblot.gif,http://static.enzolifesciences.com/fileadmin/files/image/ALX-210-356_Immunoblot.gif,Isoform and species cross-reactivity in immunoblots determined with solid phase bound synthetic peptides.
Spot 1: QTNDYMQPEEDWD – Actinin-1 (human

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	CyPA, Peptidyl-prolyl cis-trans isomerase A
Application	WB
Application Notes	Detects a prominent band of ~18kDa representing recombinant human cyclophilin A by Western blot. Does not detect endogenous levels of cyclophilin A. Also detects hamster cyclophilin A in CHO cells.
Formulation	Liquid. In PBS containing 0.05% sodium azide.
Host	Rabbit
Immunogen	Recombinant human cyclophilin A.
Purity Detail	Purified IgG.
Recommendation Dilutions/Conditions	Western Blot (1:300)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Hamster, Human
Specificity	Recognizes overexpressed human cyclophilin A. Does not detect endogenous levels of cyclophilin A. Also detects hamster cyclophilin A in CHO cells.
UniProt ID	P62937
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.