10320 Camino Santa Fe, Suite G
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Cyclophilin B Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22114a

Specification

Cyclophilin B Antibody - Product Information

Application	**WB, FC, IHC-P,E**
Primary Accession	P23284
Other Accession	P24369
Reactivity	**Human, Mouse, Rat**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23743**

Cyclophilin B Antibody - Additional Information

Gene ID 5479

Other Names
Peptidyl-prolyl cis-trans isomerase B, PPIase B, 5.2.1.8, CYP-S1, Cyclophilin B, Rotamase B, S-cyclophilin, SCYLP, PPIB, CYPB

Target/Specificity
This Cyclophilin B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 161-195 amino acids from the human region of human Cyclophilin B.

Dilution
WB~~1:2000
FC~~1:25
IHC-P~~1:25
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Cyclophilin B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Cyclophilin B Antibody - Protein Information

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Name PPIB

Synonyms CYPB

Function PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding.

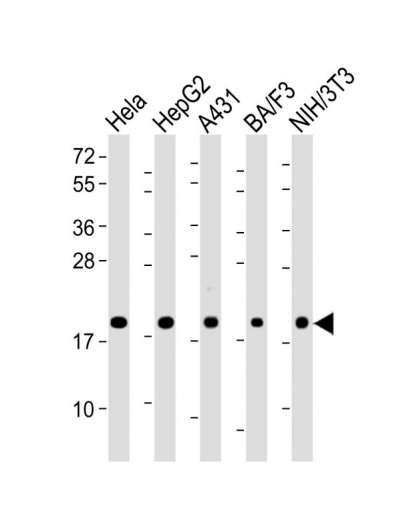
Cellular Location
Virion. Note=(Microbial infection)

Cyclophilin B Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cyclophilin B Antibody - Images



All lanes : Anti-Cyclophilin B Antibody at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: A431 whole cell lysate Lane 4: BA/F3 whole cell lysate Lane 5: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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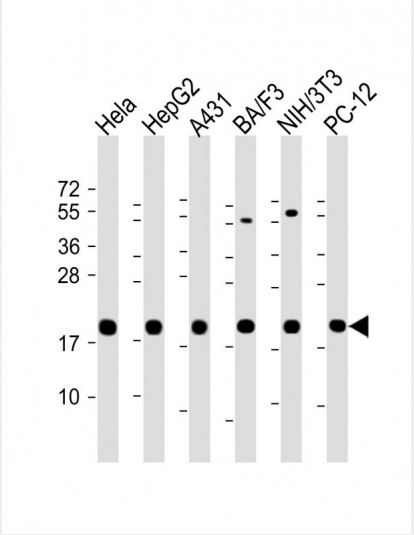

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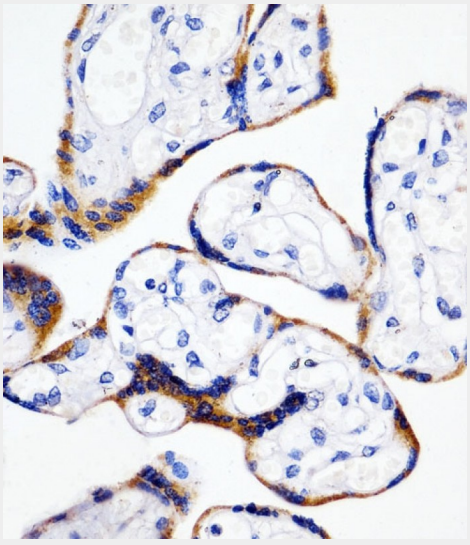

AP22114a staining Cyclophilin B in human placenta tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

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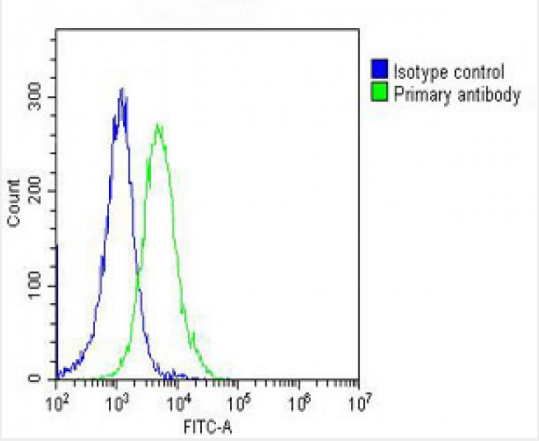

Overlay histogram showing Hela cells stained with AP22114a (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22114a, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Cyclophilin B Antibody - Background

PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

Cyclophilin B Antibody - References

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