

Cyclophilin D Polyclonal Antibody

Catalog # AP73327

Specification

Cyclophilin D Polyclonal Antibody - Product Information

Application WB, IHC-P Primary Accession Q08752

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

Cyclophilin D Polyclonal Antibody - Additional Information

Gene ID 5481

Other Names

PPID; CYP40; CYPD; Peptidyl-prolyl cis-trans isomerase D; PPlase D; 40 kDa peptidyl-prolyl cis-trans isomerase; Cyclophilin-40; CYP-40; Cyclophilin-related protein; Rotamase D

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IHC-P~ \sim N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

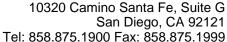
Cyclophilin D Polyclonal Antibody - Protein Information

Name PPID (HGNC:9257)

Synonyms CYP40, CYPD

Function

PPlase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding (PubMed:11350175, PubMed:20676357). Proposed to act as a co- chaperone in HSP90 complexes such as in unligated steroid receptors heterocomplexes. Different co-chaperones seem to compete for association with HSP90 thus establishing distinct HSP90-co-chaperone- receptor complexes with the potential to exert tissue-specific receptor activity control. May have a preference for estrogen receptor complexes and is not found in glucocorticoid receptor complexes. May be involved in cytoplasmic dynein-dependent movement of the receptor from the cytoplasm to the nucleus. May regulate MYB by inhibiting its DNA- binding activity. Involved in regulation of AHR signaling by promoting





the formation of the AHR:ARNT dimer; the function is independent of HSP90 but requires the chaperone activity. Involved in regulation of UV radiation-induced apoptosis. Promotes cell viability in anaplastic lymphoma kinase-positive anaplastic large-cell lymphoma (ALK+ ALCL) cell lines.

Cellular Location

Cytoplasm. Nucleus, nucleolus. Nucleus, nucleoplasm

Tissue Location

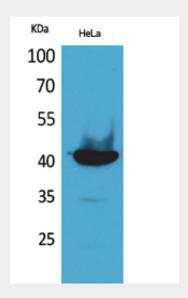
Widely expressed.

Cyclophilin D Polyclonal Antibody - Protocols

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

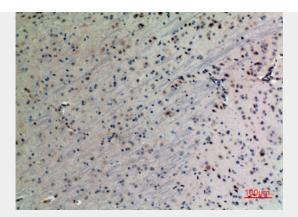
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cyclophilin D Polyclonal Antibody - Images



Western Blot analysis of HeLa cells using Cyclophilin D Polyclonal Antibody.. Secondary antibody was diluted at 1:20000





Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100

Cyclophilin D Polyclonal Antibody - Background

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