

Cyclophilin 40 Rabbit mAb

Catalog # AP77054

Specification

Cyclophilin 40 Rabbit mAb - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW WB <u>Q08752</u> Human, Mouse, Rat Rabbit Monoclonal Antibody 40764

Cyclophilin 40 Rabbit mAb - Additional Information

Gene ID 5481

Other Names PPID

Dilution WB~~1/500-1/1000

Format Liquid

Cyclophilin 40 Rabbit mAb - 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 40 Rabbit mAb - Protocols

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

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

Cyclophilin 40 Rabbit mAb - Images

