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# Cyclophilin 40 Rabbit mAb
**Catalog # AP77054**

## Specification

### Cyclophilin 40 Rabbit mAb - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q08752 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Monoclonal Antibody** |
| Calculated MW | **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**
PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding (PubMed:<a href="http://www.uniprot.org/citations/11350175" target="_blank">11350175</a>, PubMed:<a href="http://www.uniprot.org/citations/20676357" target="_blank">20676357</a>). 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.

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

## Cyclophilin 40 Rabbit mAb - Images