

**Anti-Cyclophilin 40 Rabbit Monoclonal Antibody**  
Catalog # ABO15712**Specification****Anti-Cyclophilin 40 Rabbit Monoclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, IF, ICC, FC   |
| Primary Accession | <a href="#">Q08752</a> |
| Host              | Rabbit                 |
| Isotype           | IgG                    |
| Reactivity        | Rat, Human, Mouse      |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

**Description**

Anti-Cyclophilin 40 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Cyclophilin 40 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 5481

**Other Names**

Peptidyl-prolyl cis-trans isomerase D, PPIase D, 5.2.1.8, 40 kDa peptidyl-prolyl cis-trans isomerase, Cyclophilin-40, CYP-40, Cyclophilin-related protein, Rotamase D, PPID ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=9257](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=9257) target="\_blank">HGNC:9257</a>), CYP40, CYPD

**Calculated MW**

41 kDa KDa

**Application Details**

WB 1:1000-1:5000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Cyclophilin 40

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Cyclophilin 40 Rabbit Monoclonal Antibody - 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**

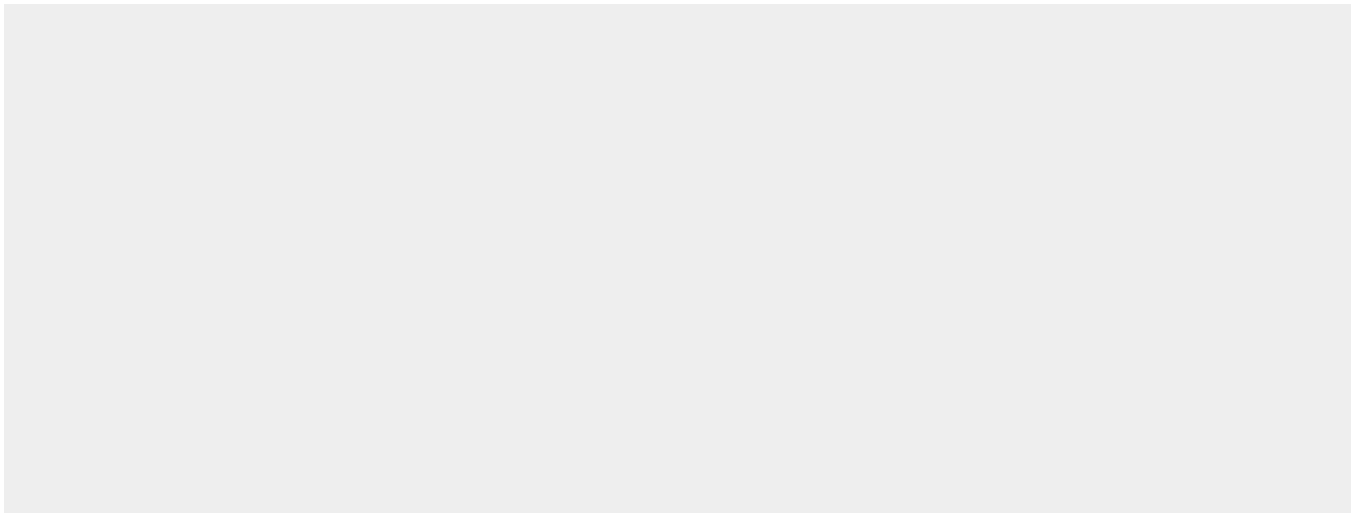
Widely expressed.

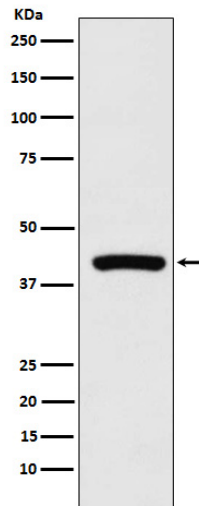
### **Anti-Cyclophilin 40 Rabbit Monoclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-Cyclophilin 40 Rabbit Monoclonal Antibody - Images**





Western blot analysis of Cyclophilin 40 expression in K562 cell lysate.