

KD-Validated Anti-Peptidylprolyl Isomerase D Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1692

Product Information

Application	WB, FC, ICC
Primary Accession	Q08752
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB1560
Calculated MW	40764
Gene Name	PPID
Aliases	Peptidylprolyl Isomerase D; CYP-40; CypD; Peptidyl-Prolyl Cis-Trans Isomerase D; Cyclophilin-Related Protein; Cyclophilin 40; Rotamase D; EC 5.2.1.8; PPIase D; 40 KDa Peptidyl-Prolyl Cis-Trans Isomerase D; Peptidylprolyl Isomerase D (Cyclophilin D); 40 KDa Peptidyl-Prolyl Cis-Trans Isomerase; Testicular Tissue Protein Li 147; Cyclophilin-40; Cyclophilin D; CYP40; CYPD
Immunogen	A synthesized peptide derived from human Cyclophilin 40

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 (HGNC:9257), CYP40, CYPD

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: 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.

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