

## Product datasheet for **TA337726**

### COQ6 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-COQ6 antibody is: synthetic peptide directed towards the N-terminal region of Human COQ6. Synthetic peptide located within the following region: ILLLEAGPKKVLEKLSETYSNRVSSISPGSATLLSSFGAWDHICNMRYRA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48 kDa
Gene Name:	coenzyme Q6, monooxygenase
Database Link:	<a href="#">NP_872286</a> <a href="#">Entrez Gene 51004 Human</a> <a href="#">Q9Y2Z9</a>



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**Background:** The protein encoded by this gene belongs to the ubiH/COQ6 family. It is an evolutionarily conserved monooxygenase required for the biosynthesis of coenzyme Q10 (or ubiquinone), which is an essential component of the mitochondrial electron transport chain, and one of the most potent lipophilic antioxidants implicated in the protection of cell damage by reactive oxygen species. Knockdown of this gene in mouse and zebrafish results in decreased growth due to increased apoptosis. Mutations in this gene are associated with autosomal recessive coenzyme Q10 deficiency-6 (COQ10D6), which manifests as nephrotic syndrome with sensorineural deafness. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

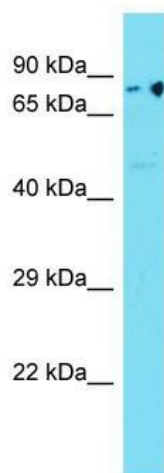
**Synonyms:** CGI-10; CGI10; COQ10D6

**Note:** Immunogen Sequence Homology: Human: 100%; Rabbit: 100%; Rat: 93%; Horse: 93%; Mouse: 93%; Bovine: 93%; Dog: 86%; Pig: 86%; Guinea pig: 86%; Yeast: 80%

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Ubiquinone and other terpenoid-quinone biosynthesis

### Product images:



Host: Rabbit; Target Name: COQ6; Sample Tissue: Fetal Liver lysates; Antibody Dilution: 1.0 ug/ml