antibodies - online.com







anti-COQ2 antibody (Middle Region)

Images



Publication



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Quantity:	100 μL
Target:	COQ2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Dog, Goat, Horse, Rabbit, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COQ2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human COQ2
Sequence:	FSGVMWTLIY DTIYAHQDKR DDVLIGLKST ALRFGENTKP WLSGFSVAML
Predicted Reactivity:	Dog: 93%, Goat: 79%, Horse: 79%, Human: 100%, Mouse: 86%, Pig: 86%, Rabbit: 93%, Rat: 86%, Yeast: 91%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against COQ2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

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Target Details

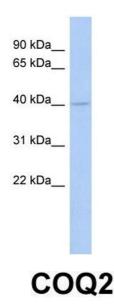
Alternative Name:	COQ2 (COQ2 Products)	
Background:	COQ2 catalyzes the prenylation of para-hydroxybenzoate (PHB) with an all-trans polyprenyl	
	group. COQ2 mediates the second step in the final reaction sequence of coenzyme Q (CoQ)	
	biosynthesis, which is the condensation of the polyisoprenoid side chain with PHB.CoQ	
	(ubiquinone) serves as a redox carrier in the mitochondrial respiratory chain and is a lipid-	
	soluble antioxidant. COQ2, or parahydroxybenzoate-polyprenyltransferase (EC 2.5.1.39),	
	catalyzes one of the final reactions in the biosynthesis of CoQ, the prenylation of	
	parahydroxybenzoate with an all-trans polyprenyl group (Forsgren et al., 2004 [PubMed	
	15153069]).[supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER	
	PRIMARY_SPAN COMP 1-90 BC020728.1 1-90 91-96 BG699931.1 80-85 97-789 BC020728.1	
	97-789 790-792 BQ363759.1 169-171 793-1535 BC020728.1 793-1535 1536-1554 BC008804.	
	1496-1514	
	Alias Symbols: CL640, FLJ26072	
	Protein Interaction Partner: UBC,	
	Protein Size: 384	
Molecular Weight:	42 kDa	
Gene ID:	27235	
NCBI Accession:	NM_015697, NP_056512	
UniProt:	Q96H96	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 384 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	
	sucrose.	
Preservative:	Sodium azide	

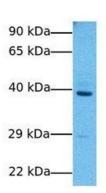
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Weiner, Marganski, Wu, Altschuler, Kirschner: "An actin-based wave generator organizes cell

motility." in: PLoS biology, Vol. 5, Issue 9, pp. e221, (2007) (PubMed).

Images





Western Blotting

Image 1. WB Suggested Anti-COQ2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: DU145 cell lysate COQ2 is supported by BioGPS gene expression data to be expressed in DU145

Western Blotting

Image 2. Host: Rabbit Target Name: COQ2 Sample Tissue: Human MCF7 Antibody Dilution: 1.0ug/ml