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anti-COQ10B antibody (AA 38-110) (Biotin)



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Quantity:	100 μL	
Target:	COQ10B	
Binding Specificity:	AA 38-110	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This COQ10B antibody is conjugated to Biotin	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human COQ10B	
Isotype:	IgG	
Specificity:	Cross-reactivity with COQ10A (91 % homology with the immunogen sequence),	
Cross-Reactivity:	Human, Mouse	
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit	
Purification:	Purified by Protein A.	

Target Details

Target:	COQ10B

Target Details

Alternative Name:	COQ10B (COQ10B Products)	
Background:	Synonyms: Coenzyme Q10, Coenzyme Q10 B, Coenzyme Q10 homolog B, Coenzyme Q10B,	
	CQ10B_HUMAN.	
	Background: COQ10B, Coenzyme Q10, is a 247 amino acid protein encoded by the human gene	
	COQ10B. COQ10B is a mitochondrial protein that belongs to the COQ10 family. COQ10B is an	
	essential biological cofactor which increases brain mitochondrial concentration and exerts	
	neuroprotective effects. Plasma COQ10B levels decrease in patients with advanced chronic	
	heart failure (CHF) while COQ10B levels in hyperthyroid patients are found among the lowest	
	detected in human diseases. Likewise, COQ10B is elevated in hypothyroid subjects, also in	
	subclinical conditions, suggesting the usefulness of this index in assessing metabolic status in	
	thyroid disorders. It is believed that secretion of adrenal hormones is in some way related to	
	COQ10B levels, both in augmented and reduced conditions. However, since thyroid hormones	
	have an important role in modulating COQ10B levels and metabolism, when coexistent, thyroid	
	deficiency seems to play a prevalent role in comparison with adrenal deficiency.	
Gene ID:	80219	
UniProt:	Q9H8M1	
Application Details		
Application Notes:	WB 1:300-5000	
	IHC-P 1:200-400	
	IHC-F 1:100-500	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and	
	50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	

Handling

Storage Comment:	Store at -20°C for 12 months.	
Expiry Date:	12 months	