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Datasheet for ABIN1410456

anti-COQ10B antibody (AA 38-110) (Cy7)



Overview

Quantity:	100 μL
Target:	COQ10B
Binding Specificity:	AA 38-110
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COQ10B antibody is conjugated to Cy7
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (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:	IF(IHC-P) 1:50-200		
	IF(IHC-F) 1:50-200		
	IF(ICC) 1:50-200		
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		
	handled by trained staff only.		
Storage:	-20 °C		

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	
Expiry Date:	12 months	