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Datasheet for ABIN1422173 anti-CHPT1 antibody (Cy3)



Overview

Overview	
Quantity:	100 µL
Target:	CHPT1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHPT1 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))
Product Details	
Immunogen:	KLH conjugated synthetic peptide derived from human CHPT1
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.
Target Details	
Target:	CHPT1
Alternative Name:	CHPT1 (CHPT1 Products)
Background:	Synonyms: AAPT1-like protein, Cholinephosphotransferase 1, chpt1, CHPT1_HUMAN,
	Diacylglycerol cholinephosphotransferase 1, hCPT1.
	Background: CHPT1, also known as AAPT1-like protein and Diacylglycerol
	cholinephosphotransferase 1, is a 406 amino acid multi-pass membrane protein that is

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	localized to the golgi apparatus. By catalyzing the phosphatidylcholine biosynthesis from CDP-
	choline, it plays an essential role in the formation and maintenance of vesicular membranes.
	CHPT1 is most abundant in testis, as well as small intestine, heart, colon, spleen and prostate.
	Expression of CHPT1 is increased in cancerous breast cells as compared to normal breast cell
	lines and it has been determined that the CHPT1 gene exhibits mutations within the cancerous
	cells. Interestingly, exposure to mustard gas significantly decreases CHPT1 gene expression
	and activity, an event that may play an important role in the development of acute respiratory
	distress syndrome (ARDS). There are two isoforms of CHPT1 that are produced as a result of
	alternative splicing events.
Gene ID:	56994
Application Details	
Application Notes:	IF(IHC-P) 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
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months