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## Datasheet for ABIN1705670 anti-CATSPER3 antibody (AA 201-300) (Cy5.5)



Overview

Quantity:	100 µL	
Target:	CATSPER3	
Binding Specificity:	AA 201-300	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CATSPER3 antibody is conjugated to Cy5.5	
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 CATSPER3	
Isotype:	IgG	
Predicted Reactivity:	Human,Mouse,Rat,Rabbit	
Purification:	Purified by Protein A.	

## Target Details

Target:	CATSPER3
Alternative Name:	CATSPER3 (CATSPER3 Products)
Background:	Synonyms: cation channel sperm-associated protein 3, calcium channel repeat containing 1,

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Storage:

rarget Details			
	putative ion channel CatSper3, cav-like protein, one-repeat calcium channel-like protein,		
	CATSPER3, CACRC, Cav-like protein, CACRC, Cation channel, sperm associated 3,		
	CTSR3_HUMAN, putative ion channel CatSper3.		
	Background: CatSpers (cation channel, sperm associated proteins) are ion transport proteins		
	located on the surface of sperm cells in the principal piece of the sperm tail. CatSpers are vital to sperm motility, fertilization and cAMP-mediated calcium influx in sperm. There are four		
	CatSper proteins in mammalian sperm, namely CatSper (or CatSper1), CatSper2, CatSper3 and		
	CatSper4. CatSper proteins contain a single, six-transmembrane-spanning segment and exhibi		
	the voltage-dependent Ca2+ channel four-repeat structure. CatSper proteins are believed to		
	assemble into a heterotetrameric complex, forming an alkalinization-activated Ca2+-selective		
	channel. Mutations in any of the genes encoding CatSper family proteins can result in male		
	infertility. CatSper3 plays an important role in the hyperactivated motility of sperm cells, a		
	process that is required in the preparation of sperm for fertilization.		
Gene ID:	347732		
UniProt:	Q86XQ3		
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.		
Ctorogo:	20 %		

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

-20 °C

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Expiry Date:

12 months

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