

## CATSPER1 Conjugated Antibody

Catalog No: #C36313



Package Size: #C36313-AF350 100ul #C36313-AF405 100ul #C36313-AF488 100ul  
 #C36313-AF555 100ul #C36313-AF594 100ul #C36313-AF647 100ul  
 #C36313-AF680 100ul #C36313-AF750 100ul #C36313-Biotin 100ul

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## Description

Product Name	CATSPER1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CATSPER1 protein.
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human cation channel, sperm associated 1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	SPGF7; CATSPER
Accession No.	Swiss-Prot#:Q8NEC5NCBI Gene ID:117144NCBI Protein#:BC032950
Uniprot	Q8NEC5
GeneID	117144;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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Calcium ions play a primary role in the regulation of sperm motility. This gene belongs to a family of putative cation channels that are specific to spermatozoa and localize to the flagellum. The protein family features a single repeat with six membrane-spanning segments and a predicted calcium-selective pore region.

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Note: This product is for in vitro research use only