

## CATSPER4 Conjugated Antibody

Catalog No: #C36314



Package Size: #C36314-AF350 100ul #C36314-AF405 100ul #C36314-AF488 100ul  
 #C36314-AF555 100ul #C36314-AF594 100ul #C36314-AF647 100ul  
 #C36314-AF680 100ul #C36314-AF750 100ul #C36314-Biotin 100ul

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## Description

Product Name	CATSPER4 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CATSPER4 protein.
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human cation channel, sperm associated 4
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CTSR4, cation channel, sperm associated 4
Accession No.	Swiss-Prot#:Q7RTX7NCBI Gene ID:378807NCBI Protein#:BC128139
Uniprot	Q7RTX7
GeneID	378807;
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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CatSper4, is a protein which in humans is encoded by the CATSPER4 gene. CatSper1 is a member of the cation channels of sperm family of protein. The four proteins in this family together form a Ca<sup>2+</sup>-permeant ion channel specific essential for the correct function of sperm cells. Voltage-gated calcium channel that plays a central role in calcium-dependent physiological responses essential for successful fertilization, such as sperm hyperactivation, acrosome reaction and chemotaxis towards the oocyte.

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Note: This product is for in vitro research use only