



CATSPER4 Antibody, Biotin conjugated

Product Code	CSB-PA745763LD01HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q7RTX7
Immunogen	Recombinant Human Cation channel sperm-associated protein 4 protein (306-472AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA
Relevance	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. Activated by extracellular progesterone and prostaglandins following the sequence: progesterone > PGF1-alpha = PGE1 > PGA1 > PGE2 >> PGD2. The primary effect of progesterone activation is to shift voltage dependence towards more physiological, negative membrane potentials; it is not mediated by metabotropic receptors and second messengers. Sperm capacitation enhances the effect of progesterone by providing additional negative shift. Also activated by the elevation of intracellular pH.
Form	Liquid
Conjugate	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Cation channel sperm-associated protein 4 (CatSper4), CATSPER4
Species	Homo sapiens (Human)
Research Area	Neuroscience
Target Names	CATSPER4