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Datasheet for ABIN7147036

anti-CATSPER4 antibody (AA 306-472) (Biotin)

Overview

Quantity:	100 µg
Target:	CATSPER4
Binding Specificity:	AA 306-472
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CATSPER4 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Cation channel sperm-associated protein 4 protein (306-472AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CATSPER4
Alternative Name:	CATSPER4 (CATSPER4 Products)
Background:	Background: Voltage-gated calcium channel that plays a central role in calcium-dependent physiological responses essential for successful fertilization, such as sperm hyperactivation,

Target Details

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 .
Aliases: CATSPER4Cation channel sperm-associated protein 4 antibody, CatSper4 antibody

UniProt: [Q7RTX7](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.