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Anti-Human/Mouse CATSPER3 Polyclonal Antibody

多克隆抗体

产品货号: PA12440

第三版

描述: CatSper (cation channel, sperm associated proteins) are ion transport proteins located on the surface of sperm cells in the principal piece of the sperm tail. CatSper 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 exhibit the voltage-dependent Ca^{2+} channel four-repeat structure. CatSper proteins are believed to assemble into a heterotetrameric complex, forming an alkalization-activated Ca^{2+} -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.

抗原: Recombinant protein of human CATSPER3

配方:

如何使用: 加1ml超纯水重溶

稳定性: $-20^{\circ}C$ 保存条件下，冻干粉,保质期为五年；液体，保质期为两年。

稀释液: PBS (pH7.4) , 1% BSA

应用: WB 1 ~ 5 $\mu g/ml$.

特异性: Testis-specific.