



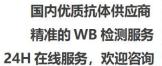
CTSR1 Monoclonal Antibody

| Catalog No | BYmab-05438 |
|--------------------|---|
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB |
| Gene Name | CATSPER1 |
| Protein Name | Cation channel sperm-associated protein 1 (CatSper1) (hCatSper) |
| Immunogen | Synthesized peptide derived from part region of human protein |
| Specificity | CTSR1 Monoclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | human:85kD Mouse 65-70kD |
| Cell Pathway | Cell projection, cilium, flagellum membrane ; Multi-pass membrane protein . Specifically located in the principal piece of the sperm tail |
| Tissue Specificity | Testis-specific. |
| Function | developmental stage:Expressed meiotically and poszt-meiotically.,function:Voltage-gated calcium channel that plays a central role in sperm cell hyperactivation. Controls calcium entry to mediate the hyperactivated motility, a step needed for sperm motility which is essential late in the preparation of sperm for fertilization. Activated by intracellular alkalinization.,induction:Down-regulated in patients lacking sperm motility.,similarity:Belongs to the cation channel sperm-associated family.,subunit:Heterotetramer; possibly composed of CATSPER1, CATSPER2, CATSPER3 and CATSPER4 (Potential). Component of a complex, at least composed of CATSPER1, HSPA1B and CATSPERB. Interacts with CATSPER3 and CATSPER4 (By similarity). Interacts with Ca(v)3.3/CACNA1I, leading to suppress T-type calcium channel activity.,tissue specificity:Testis-specific. |

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658







| | Specifically present in the principal piece of spe |
|---------------------------|--|
| Background | 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. [provided by RefSeq, Jul 2008], |
| matters needing attention | Avoid repeated freezing and thawing! |
| Usage suggestions | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

Products Images

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658