

CTSR4 Rabbit pAb

CatalogNo: YN0566

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 51kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity CTSR4 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name CATSPER4

Protein Name Cation channel sperm-associated protein 4 (CatSper4)

Organism	Gene ID	UniProt ID
Human	378807 ;	Q7RTX7 ;
Mouse		Q8BVN3 ;

Cellular Localization Cell projection, cilium, flagellum membrane ; Multi-pass membrane protein . Specifically located in the principal piece of the sperm tail. .

Tissue specificity Testis-specific.

Function 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.,similarity:Belongs to the cation channel sperm-associated family.,subunit:Heterotetramer; possibly composed of CATSPER1, CATSPER2, CATSPER3 and CATSPER4 (Potential). Interacts with CATSPER1.,tissue specificity:Testis-specific. Specifically present in the principal piece of sperm tail.,

| Validation Data

| Contact information

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CTSR4 Rabbit pAb

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