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Datasheet for ABIN1842120
anti-CATSPER1 antibody (AA 2-50)

Overview

Quantity:	100 µL
Target:	CATSPER1
Binding Specificity:	AA 2-50
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CATSPER1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from AA 2-50 of mouse CATSPER1 conjugated to an immunogenic carrier protein was used as the antigen.
Specificity:	Specific for CATSPER1.
Cross-Reactivity:	Mouse
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	Whole serum

Target Details

Target:	CATSPER1
Alternative Name:	CATSPER1 (CATSPER1 Products)

Target Details

Background: 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. Subcellular location: Cell projection $\hat{\text{A}}^{\circ}$ cilium $\hat{\text{A}}^{\circ}$ flagellum membrane, Multi-pass membrane protein Tissue specificity: Testis-specific. Specifically present in the principal piece of sperm tail (at protein level),.Reproduction,CTSR1, CatSper1

UniProt: [Q91ZR5](#)

Application Details

Application Notes: IHC, WB. A dilution of 1: 200 to 1: 2000 is recommended. The optimal dilution should be determined by the end user. Not yet tested in other applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 100 μL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 $^{\circ}\text{C}$ /-20 $^{\circ}\text{C}$

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20 $^{\circ}\text{C}$ for long term storage and refrigerated at 2-8 $^{\circ}\text{C}$ for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months