

CATSPER1 rabbit monoclonal antibody

Catalog # H00117144-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CATSPER1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CATSPER1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CATSPER1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CATSPER1

Entrez GeneID	117144
GeneBank Accession#	CATSPER1
Gene Name	CATSPER1
Gene Alias	CATSPER, MGC33335, MGC33368
Gene Description	cation channel, sperm associated 1
Omim ID	606389
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	cation channel of sperm sperm ion channel sperm-associated cation channel 1