

Rabbit anti-Human CATSPER2 Polyclonal Antibody | anti-CATSPER2 antibody

CATSPER2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119649	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

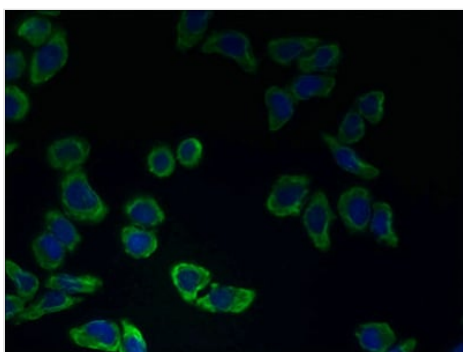
PRODUCT SYNONYMS

CATSPER2; Polyclonal Antibody; CATSPER2 Antibody; Cation channel sperm-associated protein 2; CatSper2; anti-CATSPER2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G Purified
Sequence Length	528
Applicable Applications for anti-CATSPER2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Cation channel sperm-associated protein 2 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-83119 / sc-98539
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

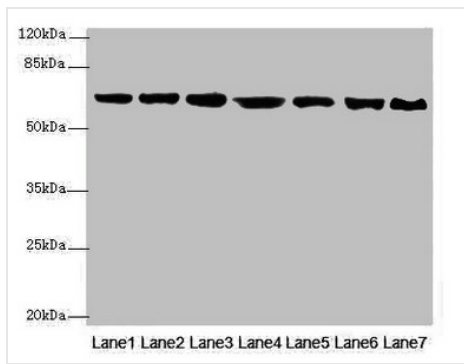
IMAGES


IHC (Immunohistochemistry)

Immunofluorescent analysis of LO2 cells using AAA119649 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human spleen tissue using AAA119649 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: CATSPER2 antibody at 4ug/mlLane 1: Mouse liver tissueLane 2: Jurkat whole cell lysateLane 3: HepG-2 whole cell lysateLane 4: 293T whole cell lysateLane 5: MCF7 whole cell lysateLane 6: Mouse kidney tissueLane 7: Hela whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 63,62,49,24 kDaObserved band size: 62 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CATSPER2 antibody

Voltage-gated calcium channel that plays a central role in calcium-dependent physiological responses essential for successful fertilization, such as sperm hyperactivation, acrosome reaction and chemotaxis towards the oocyte. Activated by extracellular progesterone and prostaglandins following the sequence: progesterone > PGF1-alpha = PGE1 > PGA1 > PGE2 >> PGD2. The primary effect of progesterone activation is to shift voltage dependence towards more physiological, negative membrane potentials; it is not mediated by metabotropic receptors and second messengers. Sperm capacitation enhances the effect of progesterone by providing additional negative shift. Also activated by the elevation of intracellular pH.

NCBI AND UNIPROT INFORMATION

NCBI GI #	536289194
NCBI GeneID	117155
NCBI Accession #	NP_001269238.1
NCBI GenBank Nucleotide #	NM_001282309.1
UniProt Accession #	Q96P56; Q8NHT9; Q96P54; Q96P55
Molecular Weight	23,437 Da
NCBI Official Full Name	cation channel sperm-associated protein 2 isoform 1
NCBI Official Synonym Full Names	cation channel sperm associated 2
NCBI Official Symbol	CATSPER2
NCBI Protein Information	cation channel sperm-associated protein 2
UniProt Protein Name	Cation channel sperm-associated protein 2
UniProt Gene Name	CATSPER2
UniProt Synonym Gene Names	CatSper2
UniProt Entry Name	CTSR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/catsper2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/119649>