

Anti-CATSPER2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 58 kDa. Actual: 58 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample:
	Hela (human) Cell Lysate at 40 µg
	293T (human) Cell Lysate at 40 µg
	Primary: Anti-CATSPER2 (TMAB-03697) at 1/300 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 58 kD
	Observed band size: 58 kD
	2. Sample: testis (Mouse) Lysate at 40 µg
	Primary: Anti-CATSPER2 at 1/300 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 58 kD
	Observed band size: 58 kD
3. Sample:	
Testis (Rat) Lysate at 40 µg	
Primary: Anti-CATSPER2 (TMAB-03697) at 1/1000 dilution	
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
Predicted band size: 58 kD	
Observed band size: 58 kD	
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CATSPER2
Antigen Species: Human
Gene ID: 117155
Uniprot ID: Q8NHT9

Research 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. This gene is part of a tandem repeat on chromosome 15q15; the second copy of this gene is thought to be a pseudogene. Additional splice variants have been described but their full-length nature has not been determined. [provided by RefSeq, Aug 2008].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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