

Datasheet for ABIN2776300
anti-CATSPER2 antibody (N-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	CATSPER2
Binding Specificity:	N-Term
Reactivity:	Human, Rabbit, Cow, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CATSPER2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CATSPER2
Sequence:	HLQGLSQAVP RHTIRELLDP SRQKKLVLDG QHQLVRFNIK PQRIEQISHA
Predicted Reactivity:	Cow: 85%, Horse: 92%, Human: 100%, Pig: 92%, Rabbit: 100%
Characteristics:	This is a rabbit polyclonal antibody against CATSPER2. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	CATSPER2
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Target Details

Alternative Name:	CATSPER2 (CATSPER2 Products)
Background:	<p>Calcium ions play a primary role in the regulation of sperm motility. Anti-CATSPER2 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. A second, closely linked copy of this gene has been identified. Although multiple transcript variants encoding protein isoforms have been characterized, they seem to be only transcribed from this gene. Additional splice variants have been described but their full-length nature has not been determined.</p> <p>Protein Size: 414</p>
Molecular Weight:	46 kDa
Gene ID:	117155
NCBI Accession:	NM_172096 , NP_742094
UniProt:	Q96P54

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 414 AA
Restrictions:	For Research Use only

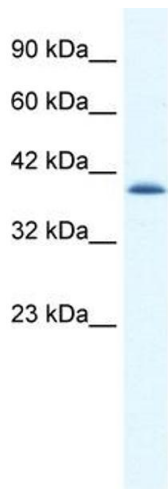
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

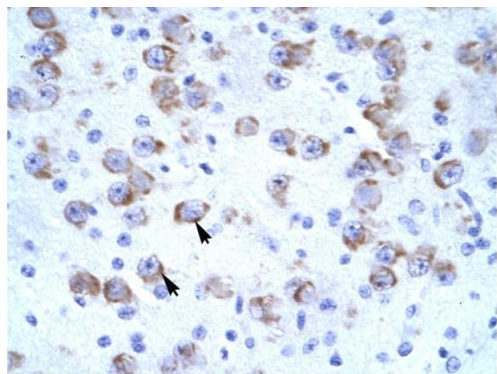
Publications

- Product cited in: Palmieri, Gojis, Rudraraju, Stamp-Vincent, Wilson, Langdon, Gourley, Faratian: "Expression of steroid receptor coactivator 3 in ovarian epithelial cancer is a poor prognostic factor and a marker for platinum resistance." in: **British journal of cancer**, Vol. 108, Issue 10, pp. 2039-44, (2013) ([PubMed](#)).
- Viringipurampeer, Ferreira, DeMaria, Yoon, Shan, Moosajee, Gregory-Evans, Ngai, Gregory-Evans : "Pax2 regulates a fadd-dependent molecular switch that drives tissue fusion during eye development." in: **Human molecular genetics**, Vol. 21, Issue 10, pp. 2357-69, (2012) ([PubMed](#)).
- Lee, Doberstein, Baumgarten, Wieland, Ungerer, Bürger, Hardt, Boehncke, Pfeilschifter, Mihic-Probst, Mittelbronn, Gutwein: "PAX2 regulates ADAM10 expression and mediates anchorage-independent cell growth of melanoma cells." in: **PLoS ONE**, Vol. 6, Issue 8, pp. e22312, (2011) ([PubMed](#)).
- Yu, Moriniere, Birke, Neumann, Fuchshofer, Kampik, Bloemendal, Welge-Lussen: "Reactivation of optic nerve head astrocytes by TGF-beta2 and H2O2 is accompanied by increased Hsp32 and Hsp47 expression." in: **Investigative ophthalmology & visual science**, Vol. 50, Issue 4, pp. 1707-17, (2009) ([PubMed](#)).
- Hurtado, Holmes, Geistlinger, Hutcheson, Nicholson, Brown, Jiang, Howat, Ali, Carroll: "Regulation of ERBB2 by oestrogen receptor-PAX2 determines response to tamoxifen." in: **Nature**, Vol. 456, Issue 7222, pp. 663-6, (2008) ([PubMed](#)).



Western Blotting

Image 1. WB Suggested Anti-CATSPER2 Antibody Titration: 1.25ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate CATSPER2 is supported by BioGPS gene expression data to be expressed in Jurkat



Rabbit Anti-CATSPER2 Antibody
Catalog Number: ARP35455
Lot Number: QC4725
Paraffin Embedded Tissue: Human Brain
Cells with Positive label: Neural cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Brain