

## Anti-CATSPER3 antibody

|                 |   |
|-----------------|---|
| <b>Cat. No.</b> | ml122040  |
| <b>Package</b>  | 25 µl/100 µl/200 µl                                     |
| <b>Storage</b>  | -20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol |

### Product overview

|                     |  |
|---------------------|--|
| <b>Description</b>  | Anti-CATSPER3 rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, IHC                               |
| <b>Immunogen</b>    | Fusion protein of human CATSPER3         |
| <b>Reactivity</b>   | Human                                    |
| <b>Content</b>      | 0.6 mg/ml                                |
| <b>Host species</b> | Rabbit                                   |
| <b>Ig class</b>     | Immunogen-specific rabbit IgG            |
| <b>Purification</b> | Antigen affinity purification            |

### Target information

|                  |                                    |
|------------------|------------------------------------|
| <b>Symbol</b>    | CATSPER3                           |
| <b>Full name</b> | cation channel, sperm associated 3 |
| <b>Synonyms</b>  | CACRC                              |
| <b>Swissprot</b> | Q86XQ3                             |

### Target Background

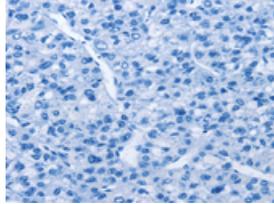
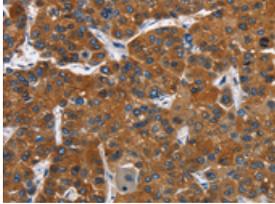
CatSper3, is a protein which in humans is encoded by the CATSPER3 gene. CatSper3 is a member of the cation channels of sperm family of proteins. The four proteins in this family together form a Ca<sup>2+</sup>-permeant ion channel specific essential for the correct function of sperm cells. Voltage-gated 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.

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### Applications

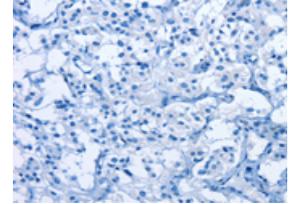
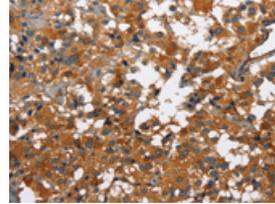
#### Immunohistochemistry

Predicted cell location: Cytoplasm  
Positive control: Human liver cancer  
Recommended dilution: 100-300



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml122040(CATSPER3 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm  
Positive control: Human thyroid cancer  
Recommended dilution: 100-300



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml122040(CATSPER3 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: ×200)

#### ELISA

Recommended dilution: 2000-10000

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