

TRPC6 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10797**Specification**

TRPC6 antibody - middle region - Product Information

Application	WB
Primary Accession	O9Y210
Other Accession	NM_004621 , NP_004612
Reactivity	Human, Mouse, Rat, Pig, Horse, Yeast, Bovine, Dog
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106kDa KDa

TRPC6 antibody - middle region - Additional Information**Gene ID** 7225Alias Symbol **FLJ11098, FLJ14863, FSGS2, TRP6****Other Names**

Short transient receptor potential channel 6, TrpC6, Transient receptor protein 6, TRP-6, TRPC6, TRP6

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-TRPC6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

TRPC6 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

TRPC6 antibody - middle region - Protein Information**Name** TRPC6 {ECO:0000303|PubMed:9930701, ECO:0000312|HGNC:HGNC:12338}**Function**

Thought to form a receptor-activated non-selective calcium permeant cation channel (PubMed:19936226, PubMed:23291369). Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C (PubMed:26892346). Seems not to

be activated by intracellular calcium store depletion.

Cellular Location

Cell membrane; Multi-pass membrane protein

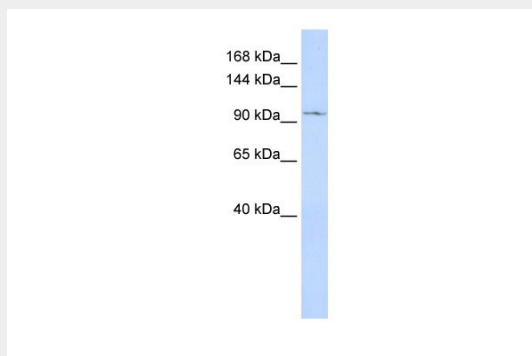
Tissue Location

Expressed primarily in placenta, lung, spleen, ovary and small intestine. Expressed in podocytes and is a component of the glomerular slit diaphragm.

TRPC6 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

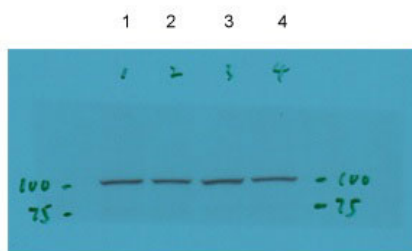
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRPC6 antibody - middle region - Images

WB Suggested Anti-TRPC6 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: MCF7 cell lysate



Lane 1: Normoxia Control (16% O₂)

Lane 2: CPT-cGMP (100uM) 60-hour treatment under Normoxia (16% O₂)

Lane 3: Hypoxia Control (4% O₂)

Lane 4: CPT-cGMP (100uM) 60-hour treatment under Hypoxia (4% O₂)

TRPC6 antibody - middle region (A110797) validated by WB using pulmonary artery smooth muscle

TRPC6 antibody - middle region - References

Liu,D., (2008) Arterioscler. Thromb. Vasc. Biol. 28 (4), 746-751 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.