



**KAL-KO460**

For research use only

# Anti Mouse Trpc6 Polyclonal Antibody

This antibody was prepared by Dr. Yasuo Mori, Kyoto University.

**Code No.** KAL-KO460  
**Target** Trpc6  
**Category** TRP channel  
**Gene ID** 22068  
**Primary Source** MGI:109523  
**Synonyms** Trrp6; mtrp6; AV025995; LLHWJM002; LLHWJM003; LLHWJM004; Trpc6  
**Type** Polyclonal Antibody  
**Immunogen** Partial peptide of Mouse Trpc6 C-terminal

**Raised in** Rabbit  
**Myeloma** -  
**Clone number** -  
**Purification** Antigen Affinity  
**Source** Rabbit Serum  
**Isotype** -  
**Cross Reactivity** Rabbit  
**Label** Unlabeled  
**Concentration** 0.25 mg/mL  
**Contents (Volume)** 25 µg (100 µL/vial)  
**Buffer** PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]

**Storage** Store below -20 °C. Once thawed, store at 4 °C. Repeated freeze-thaw cycles should be avoided.

**Application** ELISA,IHC,ICC

ELISA	WB	IHC	ICC
1.0	Not tested	5.0-10	1.0-5.0
IP	FCM	IF	Neutralization
Not tested	Not tested	Not tested	Not tested

(µg/mL)

## Reference

1. Inoue R, et al. The transient receptor potential protein homologue TRP6 is the essential component of vascular alpha(1)-adrenoceptor-activated Ca(2+)-permeable cation channel. Circ Res. 2001 Feb 16;88(3):325-32. \*Application Reference

## UniPlot Summary

//Function: Thought to form a receptor-activated non-selective calcium permeant cation channel. 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. Seems not to be activated by intracellular calcium store depletion.

//Tissue specificity: Lung and brain. Post-translational modification: N-glycosylated.

//Sequence similarities: Belongs to the transient receptor family. STpC subfamily. Contains 3 ANK repeats.

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