

TRPC6 Antibody

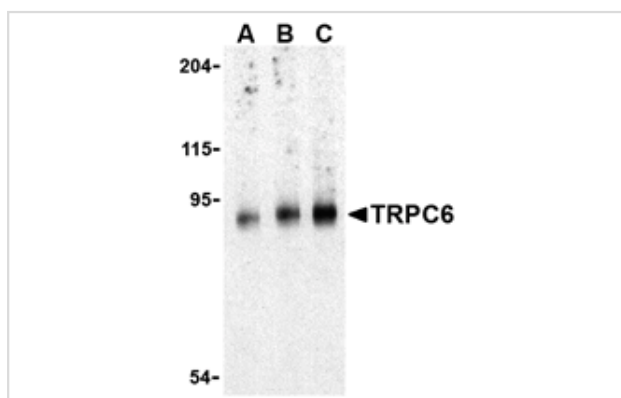
Catalog No: #24444

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

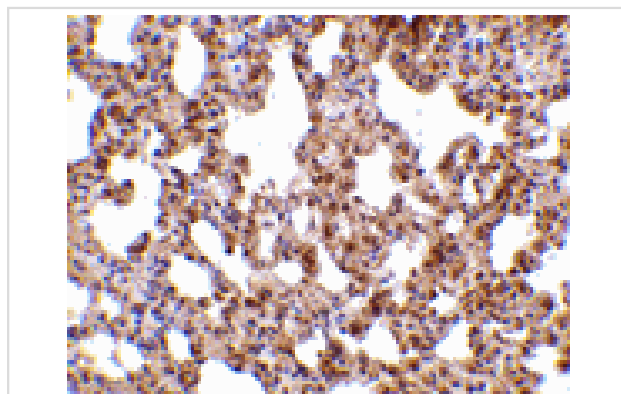
Description

Product Name	TRPC6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide from near the carboxy terminus of human TRPC6.
Target Name	TRPC6
Other Names	Short transient receptor potential channel 6, TRPC6, Htrp6
Accession No.	Swiss-Prot:Q9Y210Gene ID:7225
Uniprot	Q9Y210
GeneID	7225;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

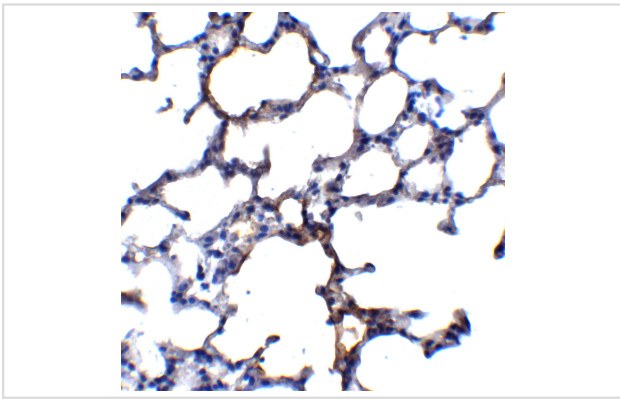
Images



Western blot analysis of TRPC6 in mouse lung tissue lysate with TRPC6 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunohistochemistry of TRPC6 in mouse lung tissue with TRPC6 antibody at 10 ug/mL.



Immunohistochemistry of TRPC6 in mouse lung tissue with TRPC6 antibody at 5 µg/ml.

Background

The mammalian transient receptor potential (TRP) superfamily can be divided into three major families including the "canonical TRP"(TRPC) family. The seven members of this family share the activation through PLC-coupled receptors and have been suggested to be components of receptor-regulated cation channels in different cell types. Furthermore, the members of the TRPC6/6/7 subfamily can be activated by diacylglycerol (DAG) analogs, suggesting a possible mechanism of activation of these channels by PLC-coupled receptors. When expressed in transfected cells, TRPC6 acts as a non-selective store-independent receptor-activated cation channel. It is activated by DAG in a PKC-independent manner and is insensitive to IP3 activation. There is increasing evidence that TRPC6 encodes endogenous DAG-activated receptor-operated cation channels in vivo.

Note: This product is for in vitro research use only