

Basic Information

Product Name	Anti-TRPV5 Antibody (Clone#27T91)
Gene Name	TRPV5
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human TRPV5
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	83 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200

Storage

12 months from date of receipt, -20°C as supplied.

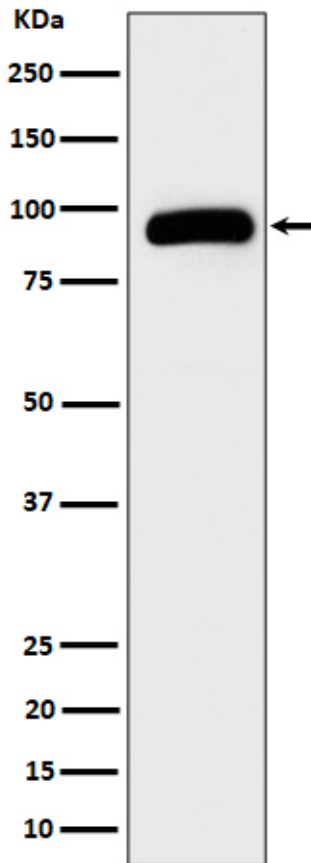
Background Information

Transient receptor potential cation channel subfamily V member 5 is a protein that in humans is encoded by the TRPV5 gene. This gene is a member of the transient receptor family and the TrpV subfamily. The calcium-selective channel encoded by this gene has 6 transmembrane-spanning domains, multiple potential phosphorylation sites, an N-linked glycosylation site, and 5 ANK repeats. And this protein forms homotetramers or heterotetramers and is activated by a low internal calcium level. In addition, TRPV5 is mainly expressed in kidney epithelial cells, where it plays an important role in the reabsorption of Ca²⁺. Genetic deletion of TRPV5 in mice leads to Ca²⁺ loss in the urine, and consequential hyperparathyroidism, and bone loss.

Reference

Anti-TRPV5 Antibody (Clone#27T91)被引用在1文献中。

Selected Validation Data



Western blot analysis of TRPV5 expression in HepG2 cell lysate.