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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB08515 - Goat Anti-TRPV5 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TRPV5, transient receptor potential cation channel, subfamily V, member 5, CAT2, ECAC1, OTRPC3, calcium transporter 2, epithelial calcium channel 1, osm-9-like TRP channel 3

Official Symbol: TRPV5

Accession Number(s): NP_062815.2

Human GeneID(s): [56302](#)

Non-Human GeneID(s): 194352 (mouse), 116469 (rat)

Immunogen

Peptide with sequence C-SHRGWEILRQNT, from the internal region of the protein sequence according to NP_062815.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 85kDa band observed in Human Pancreas lysates (calculated MW of 82.6kDa according to NP_062815.2). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on Human: Kennedy BG et al. (2010) PMID: 20405023.

Immunocytochemistry/Immunofluorescence: This antibody has been successfully used in ICC/IF on Human: Kennedy BG et al. (2010) PMID: 20405023. This antibody has been successfully used in ICC on Mouse: Mariana Labarca et al. (2015) PMID: 25810438. This antibody has been successfully used in ICC on Human: Tomilin VN et al. (2016) PMID: 26096460.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

Specific References

This antibody has been successfully used in IF in Human:

Tomilin VN, Cherezova AL, Negulyaev YA, Semenova SB.

TRPV5/V6 Channels Mediate Ca(2+) Influx in Jurkat T Cells Under the Control of Extracellular pH. J Cell Biochem. 2016 Jan;117(1):197-206

PMID: 26096460

This antibody has been successfully used in ICC on Mouse:

Mariana Labarca, Jonathan M. Nizar, Elisabeth M. Walczak, Wuxing Dong, Alan C. Pao and Vivek Bhalla

Harvest and primary culture of the murine aldosterone-sensitive distal nephron Am J Physiol Renal Physiol. 2015 Jun 1; 308(11)

PMID: 25810438

This antibody has been successfully used in WB and ICC in Human:

Kennedy BG, Torabi AJ, Kurzawa R, Echtenkamp SF, Mangini NJ.

Expression of transient receptor potential vanilloid channels TRPV5 and TRPV6 in retinal pigment epithelium.

Mol Vis. 2010 Apr 14;16:665-75.

PMID: 20405023

EB08515 (1µg/ml) staining of Human Pancreas lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.