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

EB09257 - Goat Anti-TRPC7 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TRPC7, transient receptor potential cation channel, subfamily C, member 7, TRP7, likely ortholog of mouse transient receptor potential cation channel, subfamily C, member 7, putative capacitative calcium channel

Official Symbol: TRPC7

Accession Number(s): NP_065122.1; NP_001161049.1; NP_001161048.1; NP_001363830.1

Human GeneID(s): [57113](#)

Non-Human GeneID(s): 26946 (mouse), 282822 (rat)

Important Comments: This antibody is expected to cross-react with isoform 1, 2 and 3 (NP_065122.1; NP_001161049.1; NP_001161048.1).

Immunogen

Peptide with sequence KLCKSKAKSCEND, from the internal region of the protein sequence according to NP_065122.1; NP_001161049.1; NP_001161048.1; NP_001363830.1.

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 1:32000.

Western blot: A 95kDa band was observed in Chicken Embryo Heart atrial and ventricular myocyte lysates (Sabourin et al.; PMID 21672930). This antibody has been successfully used in WB on Mouse (Murtaza et al.; PMID: 32882106).

Immunoprecipitation: This antibody has been successfully used in IP on lysates of Chicken Embryo Heart (Sabourin et al.; PMID: 21672930).

Species Reactivity

Tested: Chicken, Mouse

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

Specific References

This antibody has been successfully used in WB on Mouse:

Babar Murtaza, Aziz Hichami, Amira S Khan, Jiri Plesnik, Omar Sery, Alexander Dietrich, Lutz Birnbaumer, Naim A Khan

Implication of TRPC3 channel in gustatory perception of dietary lipids
Acta Physiol (Oxf). 2020 Sep 3;e13554. doi: 10.1111/apha.13554.
PMID: 32882106

This antibody has been successfully used in WB on Chicken:

Sabourin J, Antigny F, Robin E, Frieden M, Raddatz E.

Activation of Transient Receptor Potential Canonical 3 (TRPC3)-mediated Ca²⁺ Entry by A1 Adenosine Receptor in Cardiomyocytes Disturbs Atrioventricular Conduction.

J Biol Chem. 2012 Aug 3;287(32):26688-701.

PMID: 22692208

This antibody has been successfully used in WB and IP on Chicken:

Sabourin J, Robin E, Raddatz E.

A key role of TRPC channels in the regulation of electromechanical activity of the developing heart.

Cardiovasc Res. 2011 Jun 13. [Epub ahead of print]

PMID: 21672930