

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**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 Ca<sup>2+</sup> 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