



## UK Office

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

## EB05129-T - Goat Anti-TRPM7 / LTRPC7 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** TRPM7, transient receptor potential cation channel, subfamily M, member 7, CHAK, CHAK1, LTRPC7, FLJ20117, TRP-PLIK, LTRPC ion channel family member 7, homolog of mouse transient receptor potential-phospholipase C-interacting kinase CHaK hypothetical protein FLJ20117, FLJ25718

**Official Symbol:** TRPM7

**Accession Number(s):** NP\_060142.3; NP\_001288141.1

**Human GeneID(s):** [54822](#)

### Immunogen

Peptide with sequence C-TKESESTNSVRLML, from the C Terminus of the protein sequence according to NP\_060142.3; NP\_001288141.1.

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 1:8000.

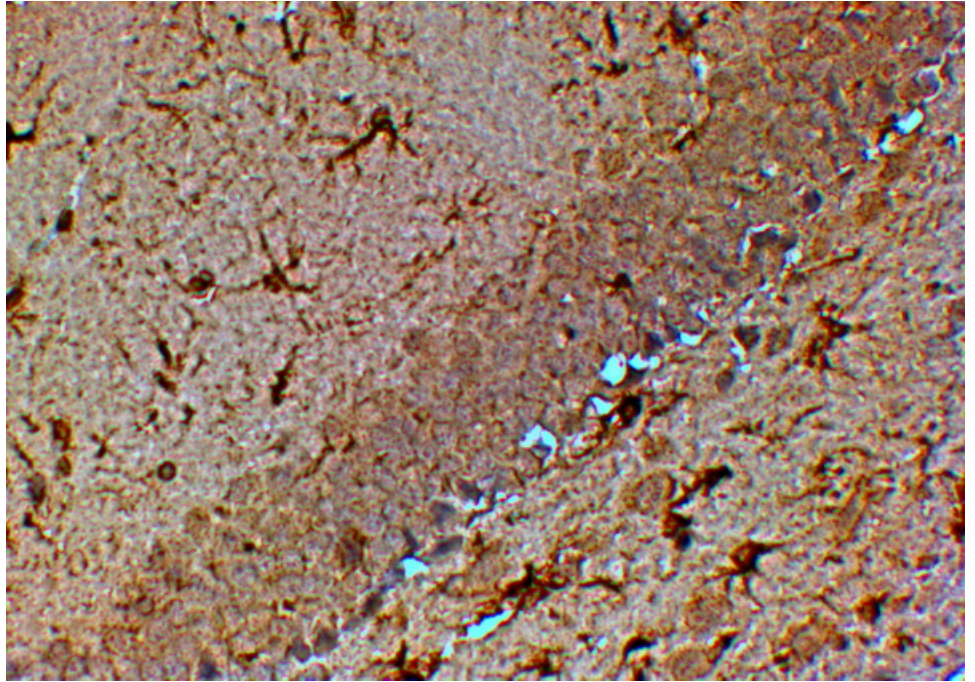
**IHC:** In paraffin embedded Mouse Brain shows neuronal staining in the Hippocampus.  
Recommended concentration: 4-6µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and nuclei of U2OS cells. Recommended concentration: 10µg/ml.

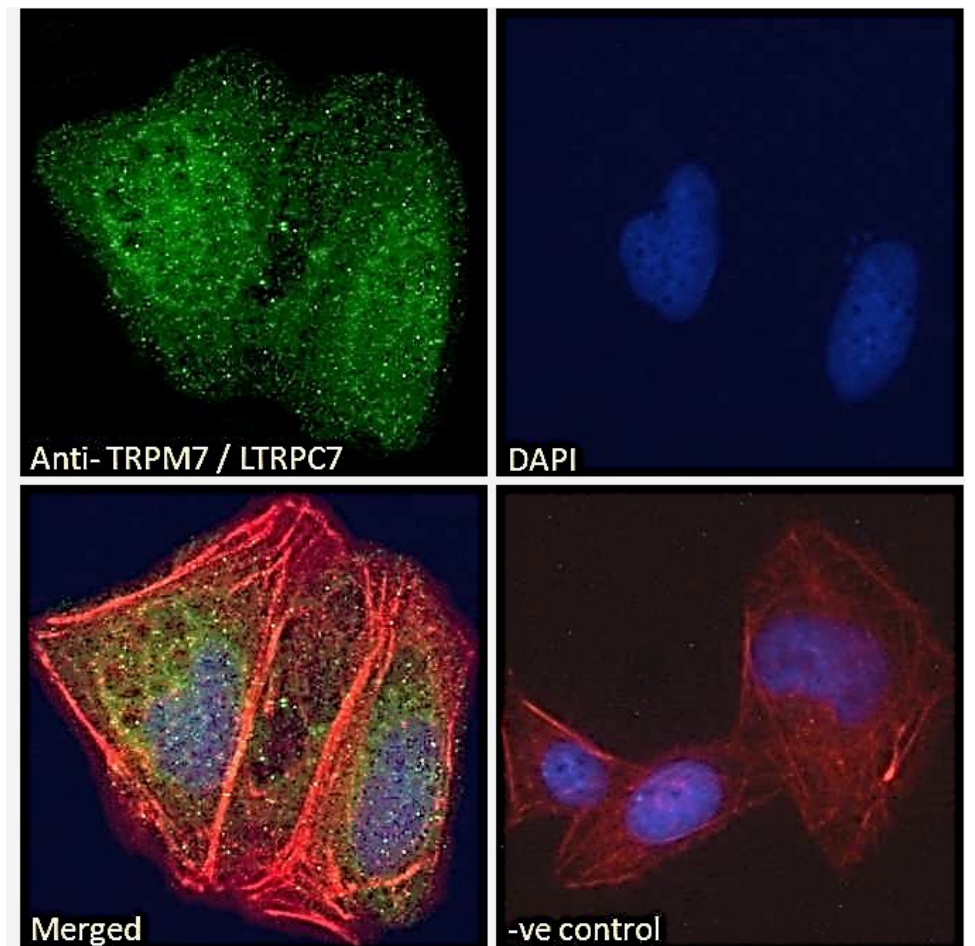
### Species Reactivity

**Tested:** Human, Mouse

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



EB05129 (4µg/ml) staining of paraffin embedded Mouse Hippocampus. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining. Similar results were obtained after antigen retrieval at pH9.



EB05129 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).