

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB05129-T - Goat Anti-TRPM7 / LTRPC7 Antibody

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 1:16000.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 5-6µg/ml.

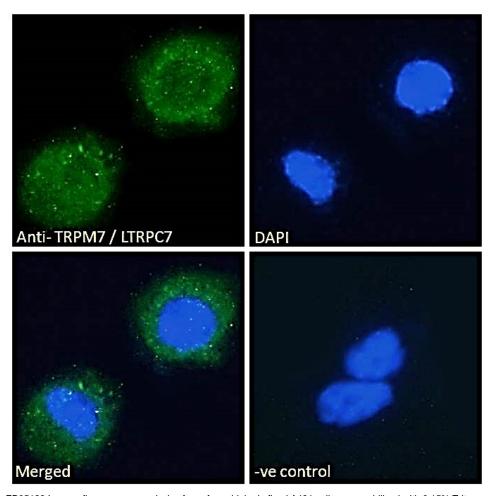
Immunofluorescence: Strong expression of the protein seen in A431 and MCF7 cells.

Recommended concentration: 10µg/ml.

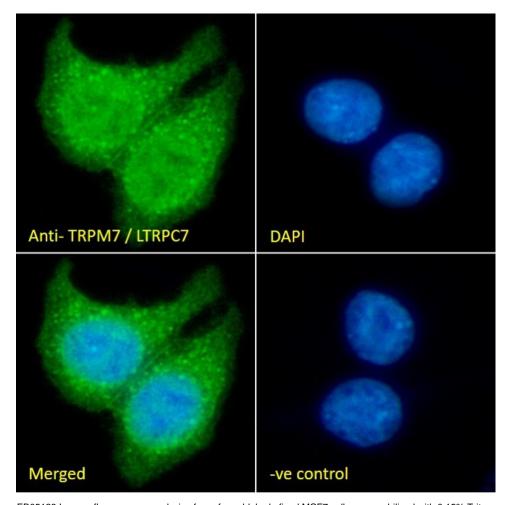
Species Reactivity

Tested: Human

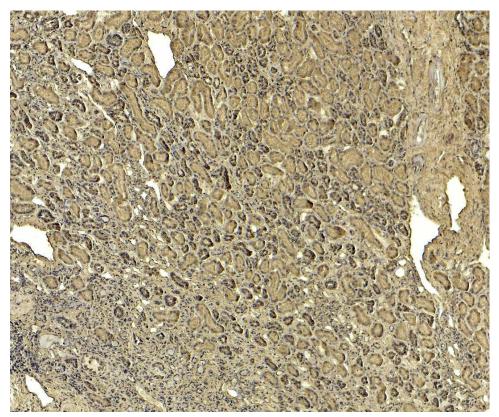
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig



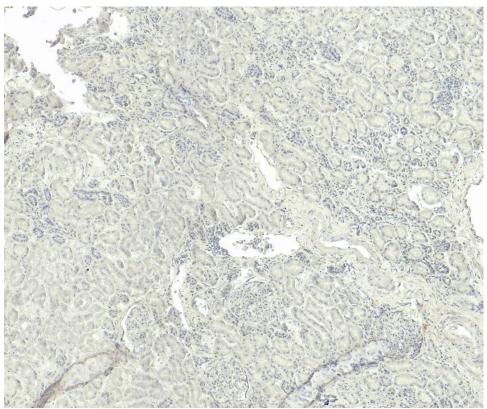
EB05129 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05129 Immunofluorescence analysis of paraformaldehyde fixed MCF7 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. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05129 (6μg/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB05129 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.