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Research Use Only. Not for diagnostic or therapeutic use.

EB07771 - Goat Anti-TACR1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TACR1, tachykinin receptor 1, NK1R, neurokinin 1 receptor, NKIR, SPR, TAC1R, NK-1 receptor, Tachykinin receptor 1 (substance P receptor, neurokinin-1 receptor), neurokinin 1 receptor, tachykinin 1 receptor (substance P receptor, neurokinin 1 receptor)

Official Symbol: TACR1

Accession Number(s): NP_001049.1*; NP_056542.1*

Human GeneID(s): 6869

Non-Human GenelD(s): 21336 (mouse), 24807 (rat)

Important Comments: This antibody is expected to recognise both reported isoforms

(NP_001049.1 and NP_056542.1).

Immunogen

Peptide with sequence C-EIPGDSSDRYHEQ, from the internal region of the protein sequence according to NP_001049.1*; NP_056542.1*.

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 1:128000.

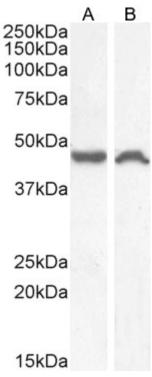
Western blot: Approx 48kDa band observed in lysates of cell lines HeLa and Neuro2a (calculated MW of 46.3kDa according to Human NP_001049.1 and Mouse NP_033339.2). Recommended concentration: 0.3-1 μ g/ml.. Primary incubation 1 hour at room temperature.

Immunofluorescence: Expression of the protein seen in the plasma membrane and nucleus of Neuro2a cells. Recommended concentration: 10µg/ml.

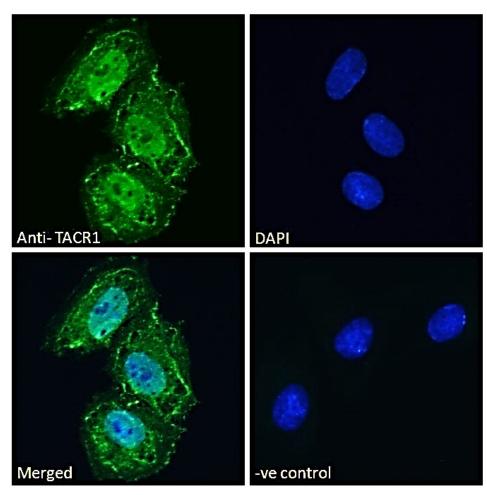
Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Dog



EB07771 (1 μ g/ml) staining of HeLa (A) and (0.5 μ g/ml) Neuro2a (B) cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB07771 Immunofluorescence analysis of paraformaldehyde fixed Neuro2a cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat

IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).