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EB07999 - Goat Anti-HTATSF1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: HTATSF1, HIV-1 Tat specific factor 1, RP1-196E23.2, TAT-SF1, dJ196E23.2, HIV TAT specific factor 1, cofactor required for Tat activation of HIV-1 transcription
Official Symbol: HTATSF1
Accession Number(s): NP_055315.2
Human GeneID(s): 27336
Non-Human GeneID(s): 317612 (rat)

Immunogen

Peptide with sequence C-QELYGDGKDGDTQTD, from the internal region (near the N Terminus) of the protein sequence according to NP_055315.2.

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.
Western blot: Approx 140kDa band observed in lysates of cell line Daudi (calculated MW of 85.9kDa according to NP_055315.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Zhou and Sharp, Science. 1996 Oct 25;274(5287):605-10.; PMID: 8849451). Recommended concentration: 1-3µg/ml. An additional band of unknown identity was also consistently observed at 20kDa. This band was successfully blocked by incubation with the immunising peptide.

Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Rat, Dog

Specific Reference

This antibody has been successfully used in the following paper:
Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen
A high-throughput pipeline for validation of antibodies
Nat Methods. 2018 Nov;15(11):909-912
PMID: 30377371

EB07999 (1µg/ml) staining of Daudi cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.