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# EB11055 - Goat Anti-TBK1 (aa514-527) Antibody

Size: 100µg specific antibody in 200µl

## Target Protein

**Principal Names:** FLJ11330, NAK, NF-kappa-B-activating kinase, NF-kB-activating kinase, serine/threonine-protein kinase TBK1, T2K, TANK-binding kinase 1, TBK1
**Official Symbol:** TBK1
**Accession Number(s):** NP_037386.1
**Human GeneID(s):** 29110

## Immunogen

Peptide with sequence C-TIETSLQDIDSRLS, from the internal region of the protein sequence according to NP_037386.1.

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:** Approx 80kDa band observed in lysates of cell line LNCaP and A431 (calculated MW of 83.6kDa according to NP_037386.1). Recommended concentration: 0.5-1µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 and in the cytoplasm and ER of HeLa cells. Recommended concentration: 10µg/ml.

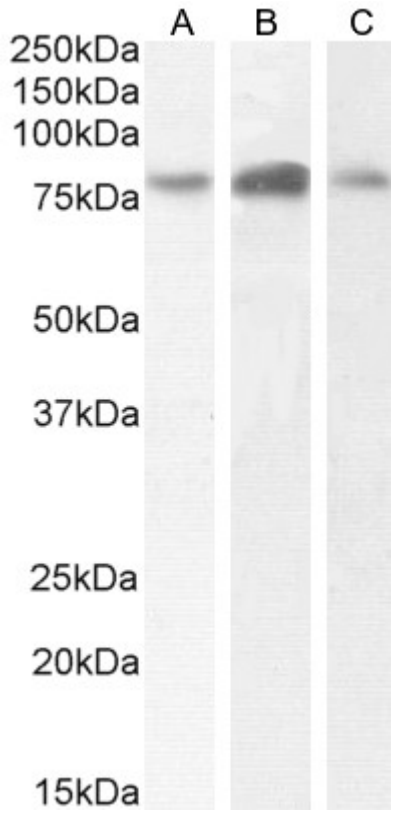
**Flow Cytometry:** Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

## Species Reactivity

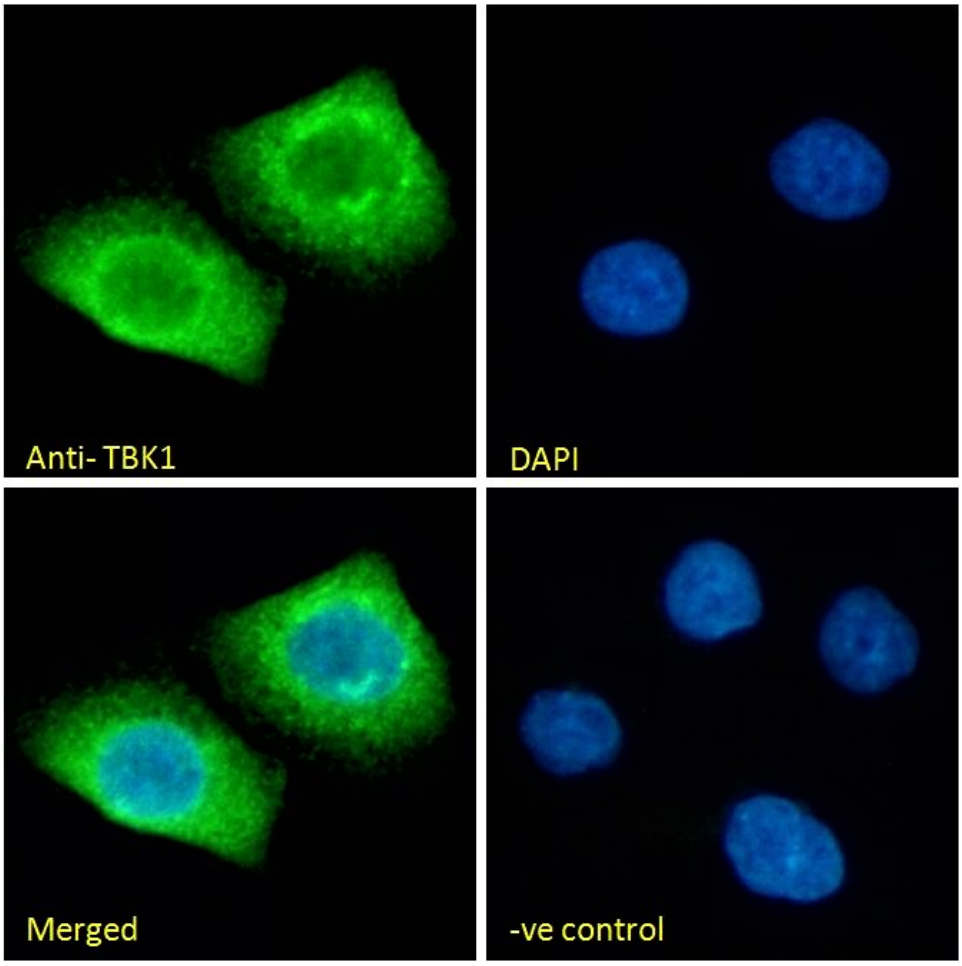
**Tested:** Human
**Expected from sequence similarity:** Human

## Specific Reference

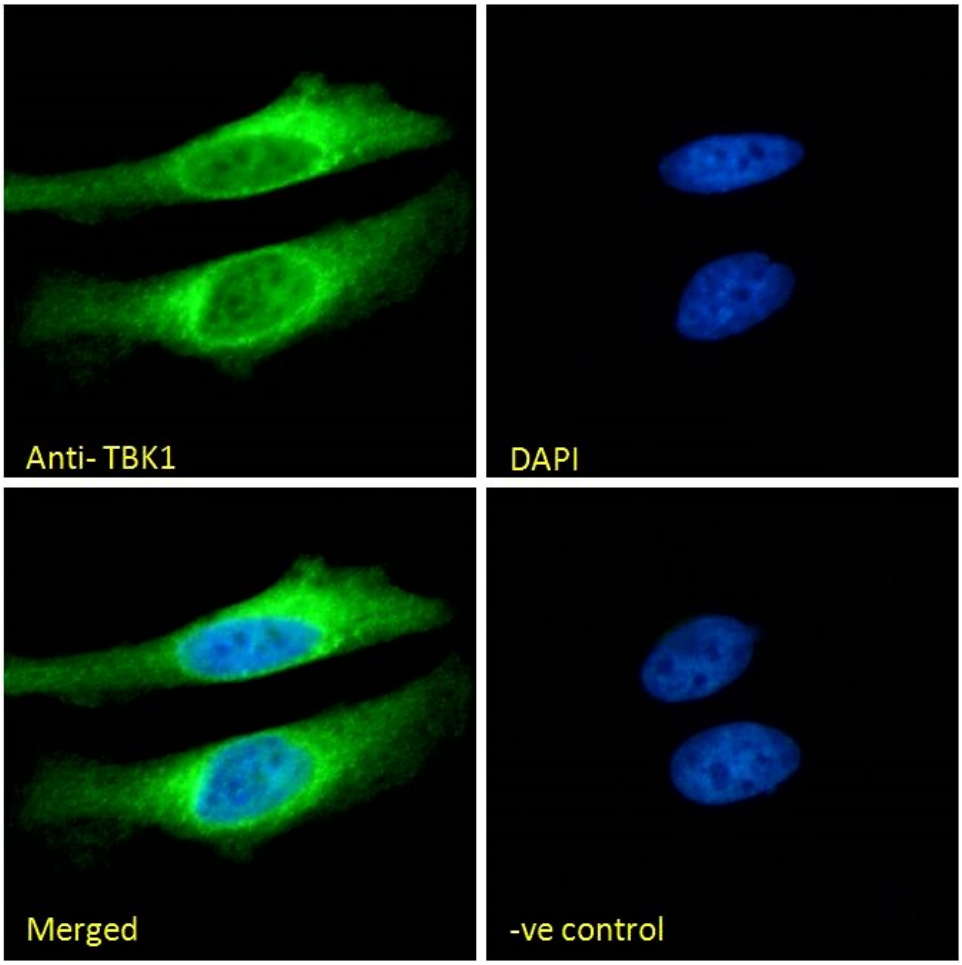
**This antibody has been successfully used in the following paper:**
Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen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



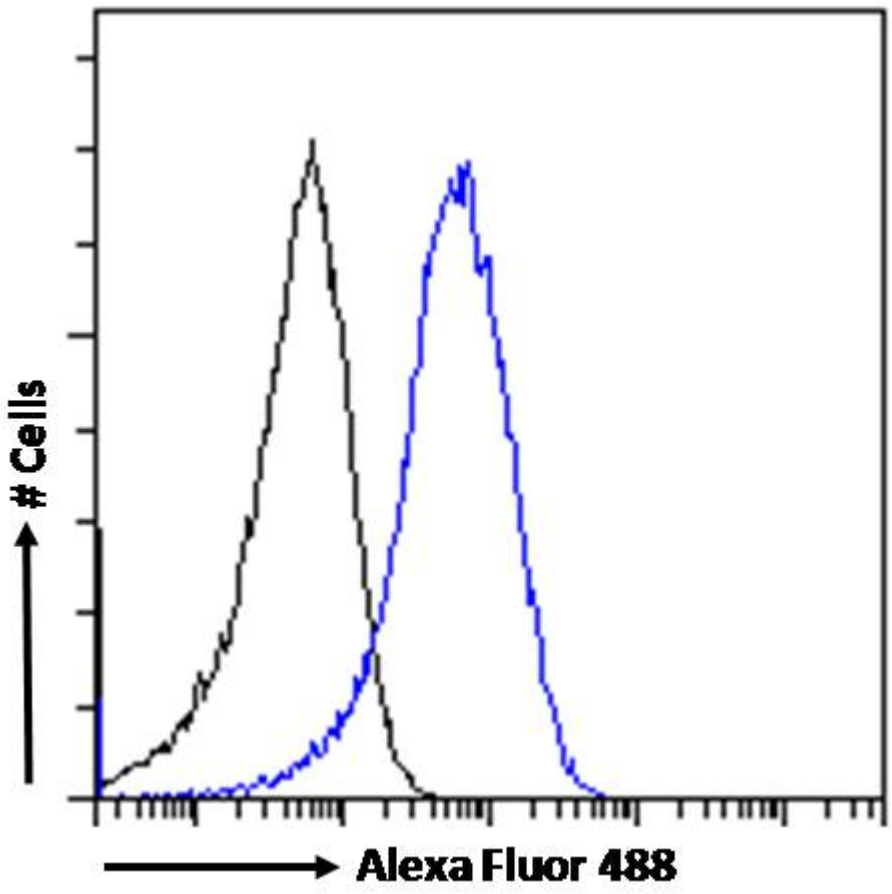

EB11055 (0.5µg/ml) staining of LNCaP (A) and A431 (B) cell lysate, and (1µg/ml) A431 (C) nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB11055 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 cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).




EB11055 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and ER staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).




EB11055 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.