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

EB06572 - Goat Anti-TRAP2 / Proteasome subunit 26S Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TRAP2, MGC14274, PSMD2, S2, P97, proteasome (prosome, macropain) 26S subunit, non-ATPase, 2, 55.11 protein, TNFR-associated protein 2, 26S proteasome subunit p97, 26S proteasome regulatory subunit S2, 26S proteasome non-ATPase regulatory subunit 2, tumor necrosis factor receptor-associated protein 2

Official Symbol: PSMD2

Accession Number(s): NP_002799.3; NP_001265637.1; NP_001265638.1

Human GeneID(s): [5708](#)

Immunogen

Peptide with sequence C-VILRKPNPYDL, from the C Terminus of the protein sequence according to NP_002799.3; NP_001265637.1; NP_001265638.1.

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 1:64000.

Western blot: Approx 100kDa band observed in lysates of cell lines HeLa, U251, NIH3T3 and KNRK (calculated MW of 100kDa according to Human NP_002799.3, Mouse NP_598862.1 and Rat NP_001026809.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

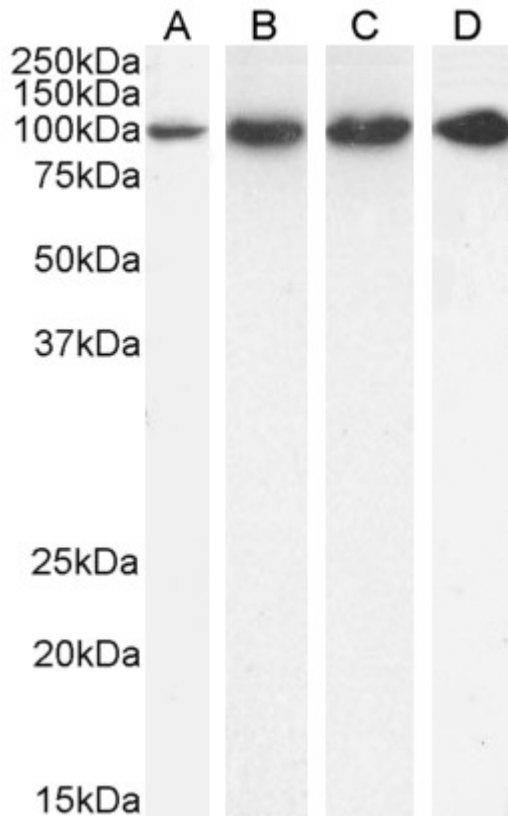
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

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

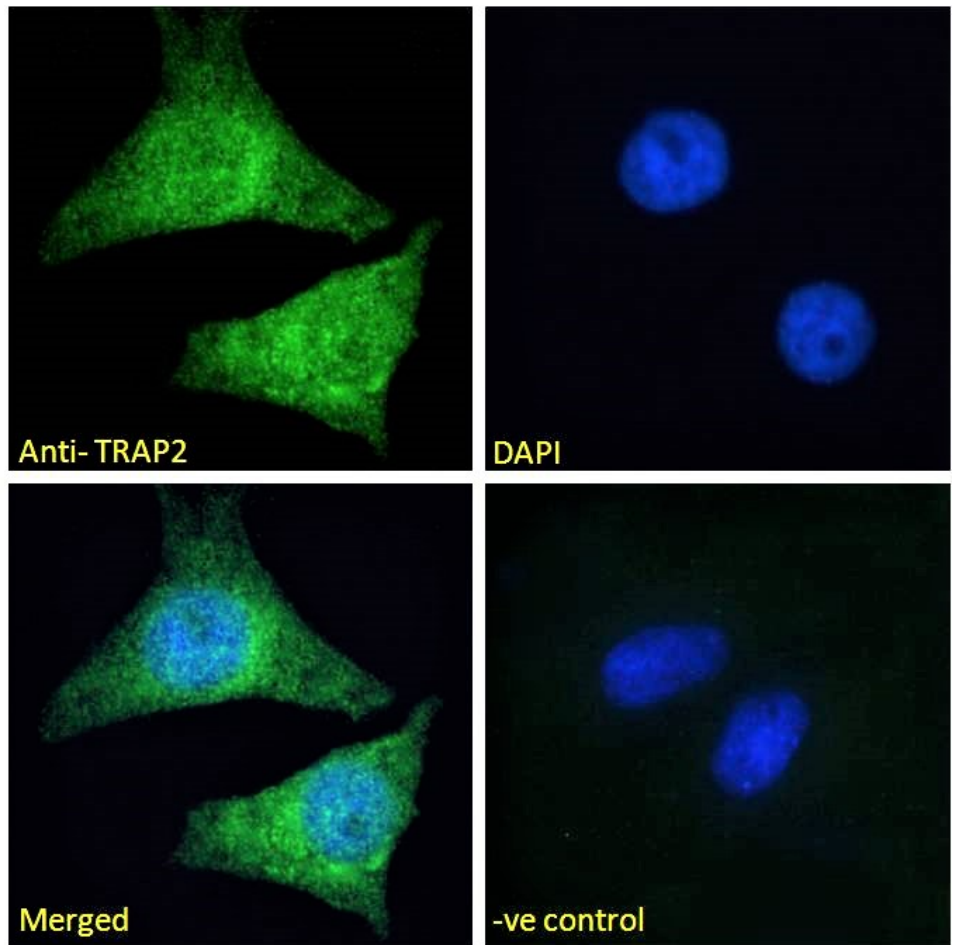
Species Reactivity

Tested: Human, Mouse, Rat

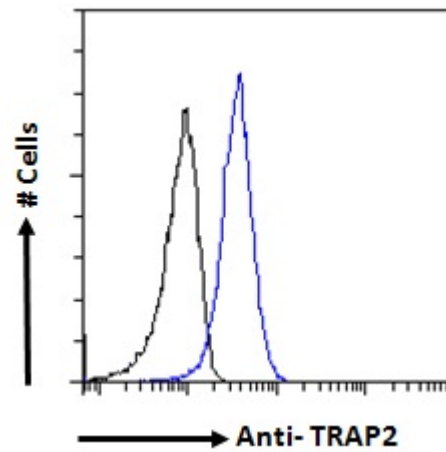
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



EB06572 (1 $\mu\text{g/ml}$) staining of HeLa (A), U251 (B), KNRK (C) and (0.3 $\mu\text{g/ml}$) NIH3T3 (D) cell lysate (35 μg protein in RIPA buffer). Detected by chemiluminescence.



EB06572 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 some nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06572 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.