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EB07513 - Goat Anti-PRPF31 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: PRPF31, PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae), DKFZp566J153, NY-BR-99, PRP31, RP11, PRP31 pre-mRNA processing factor 31 homolog (yeast), pre-mRNA processing factor 31 homolog, pre-mRNA processing factor 31 homolog (yeast)
Official Symbol: PRPF31
Accession Number(s): NP_056444.3
Human GeneID(s): 26121
Non-Human GeneID(s): 68988 (mouse)

Immunogen

Peptide with sequence KELGNSLDKCKNNEN, from the internal region of the protein sequence according to NP_056444.3.

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

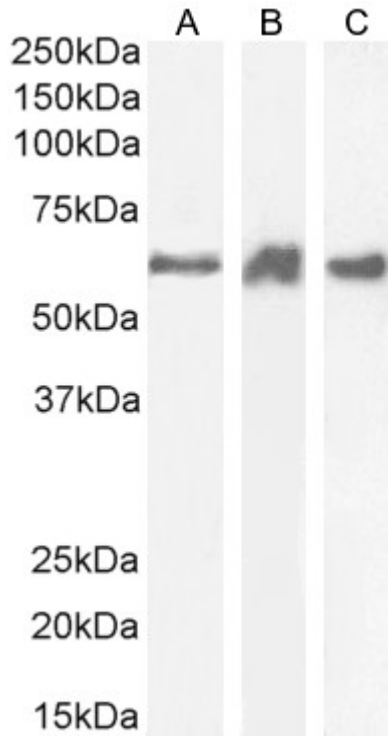
Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx 60kDa band observed in nuclear lysates of cell lines A431, HeLa, HEK293 and NIH3T3 (calculated MW of 55.4kDa according to Human NP_056444.3 and Mouse NP_081604.3). Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of HEK293 and HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

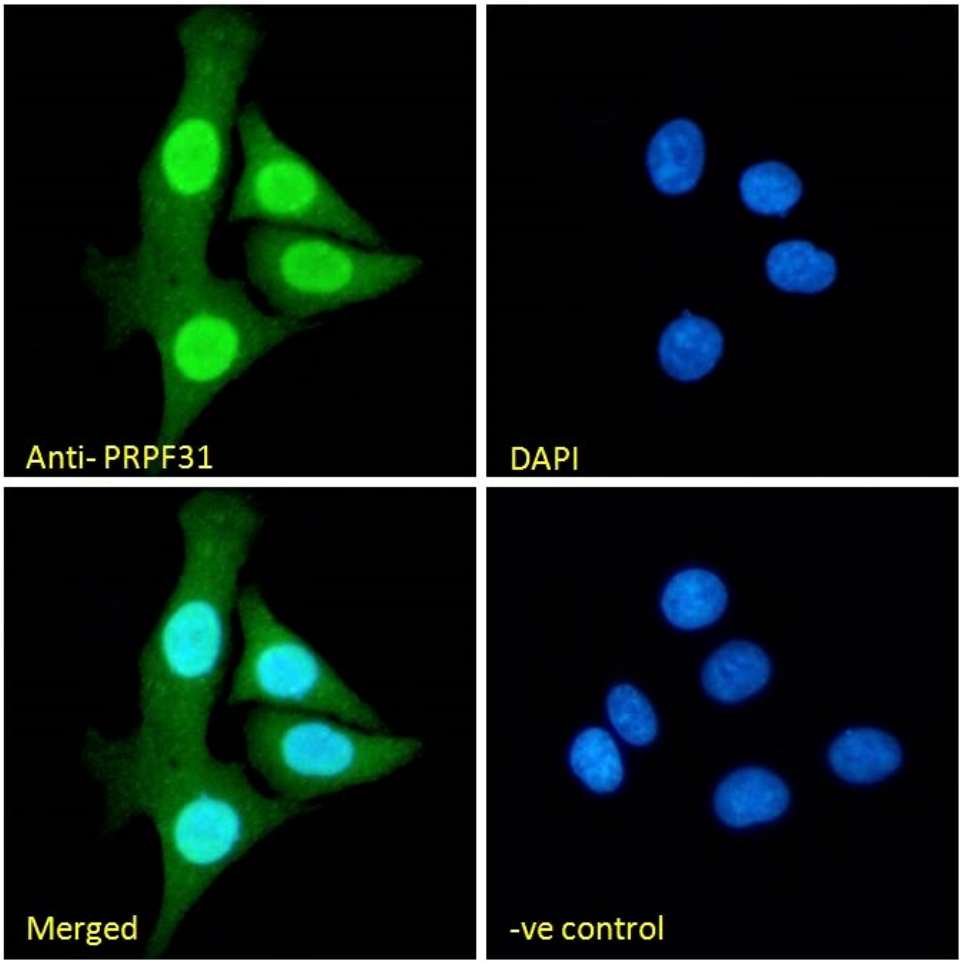
Species Reactivity

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

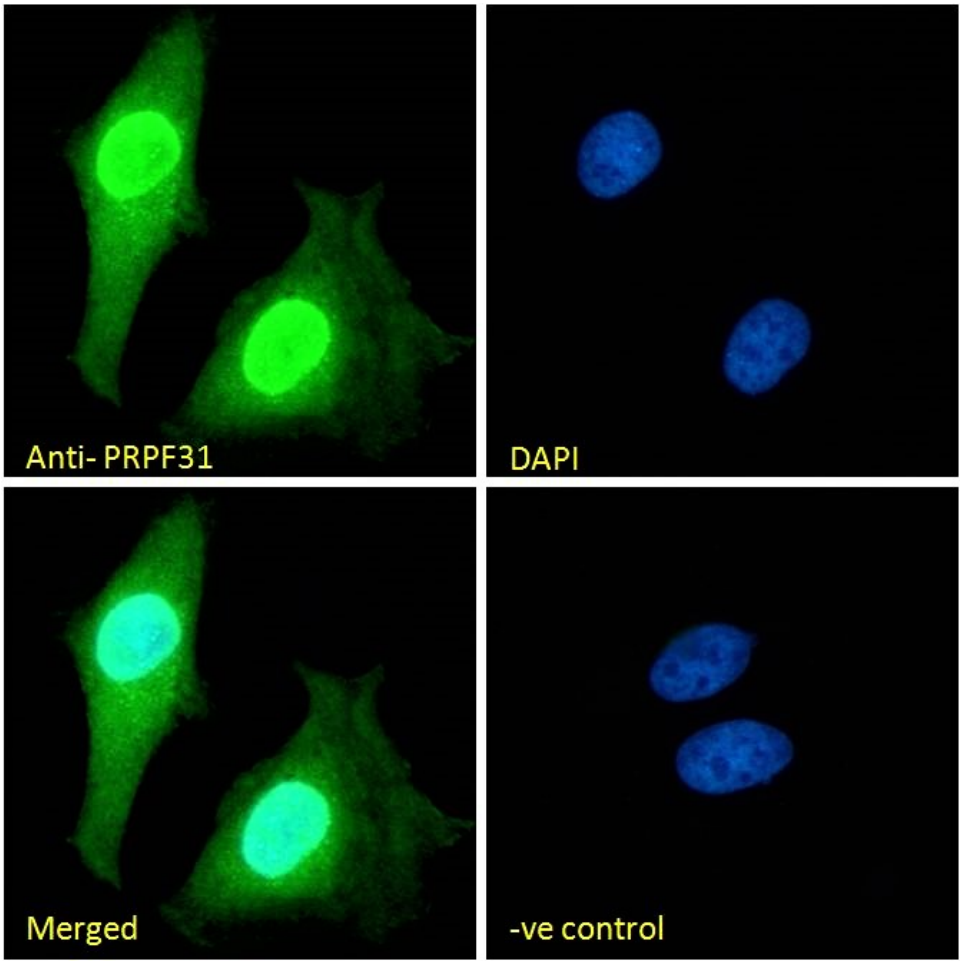


EB07513 (1µg/ml) staining of A431 (A), HeLa (B) and HEK293 (C) nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

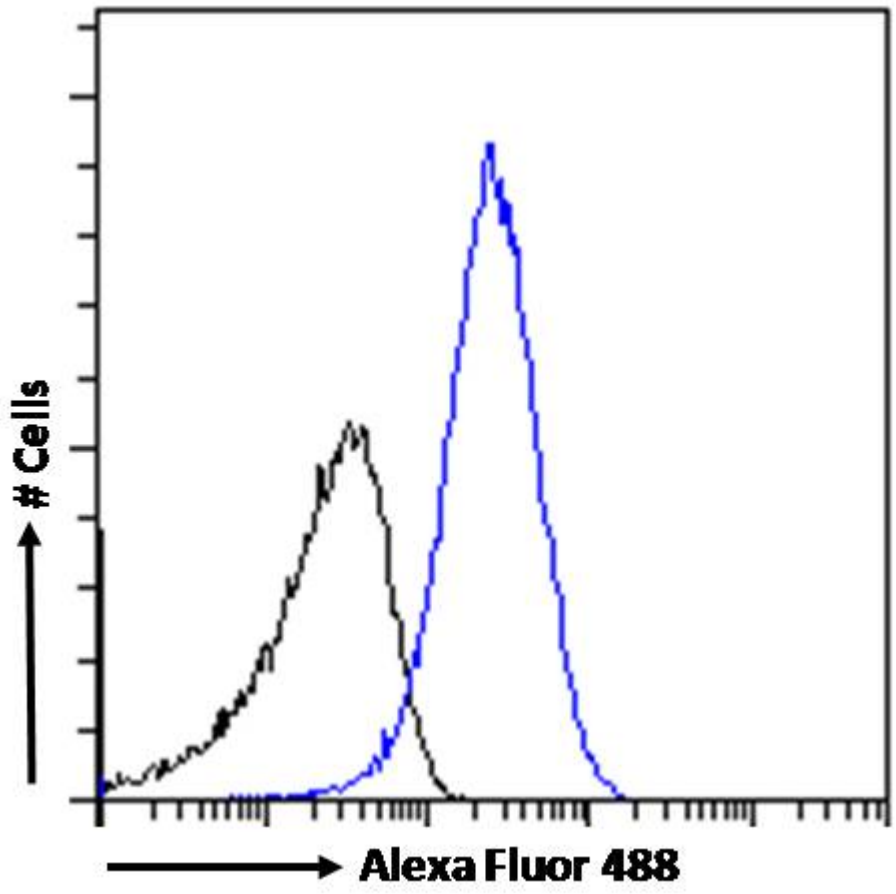
EB07513 (1µg/ml) staining of NIH3T3 nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB07513 Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear and weak cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07513 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 strong nuclear and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07513 Flow cytometric analysis of paraformaldehyde fixed HEK293 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.