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EB07355 - Goat Anti-GTF2IRD1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: GTF2IRD1, GTF2I repeat domain containing 1, HGNC:4661, CREAM1, GTF3, MUSTRD1, RBAP2, WBSCR11, WBSCR12, hMusTRD1alpha1, GTF2I repeat domain-containing 1, Williams-Beuren syndrome chromosome region 11, general transcription factor 3, muscle TFII-I repeat
Official Symbol: GTF2IRD1
Accession Number(s): NP_057412.1; NP_005676.3; NP_001186136.1
Human GeneID(s): 9569
Non-Human GeneID(s): 57080 (mouse), 246770 (rat)

Immunogen

Peptide with sequence C-NKFTKDTTKLEPAS, from the internal region of the protein sequence according to NP_057412.1; NP_005676.3; NP_001186136.1.

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 110kDa band observed in nuclear lysates of cell line Jurkat (calculated MW of 106kDa according to NP_057412.1). Recommended concentration: 0.5-1µg/ml. Primary incubation 1 hour at room temperature.

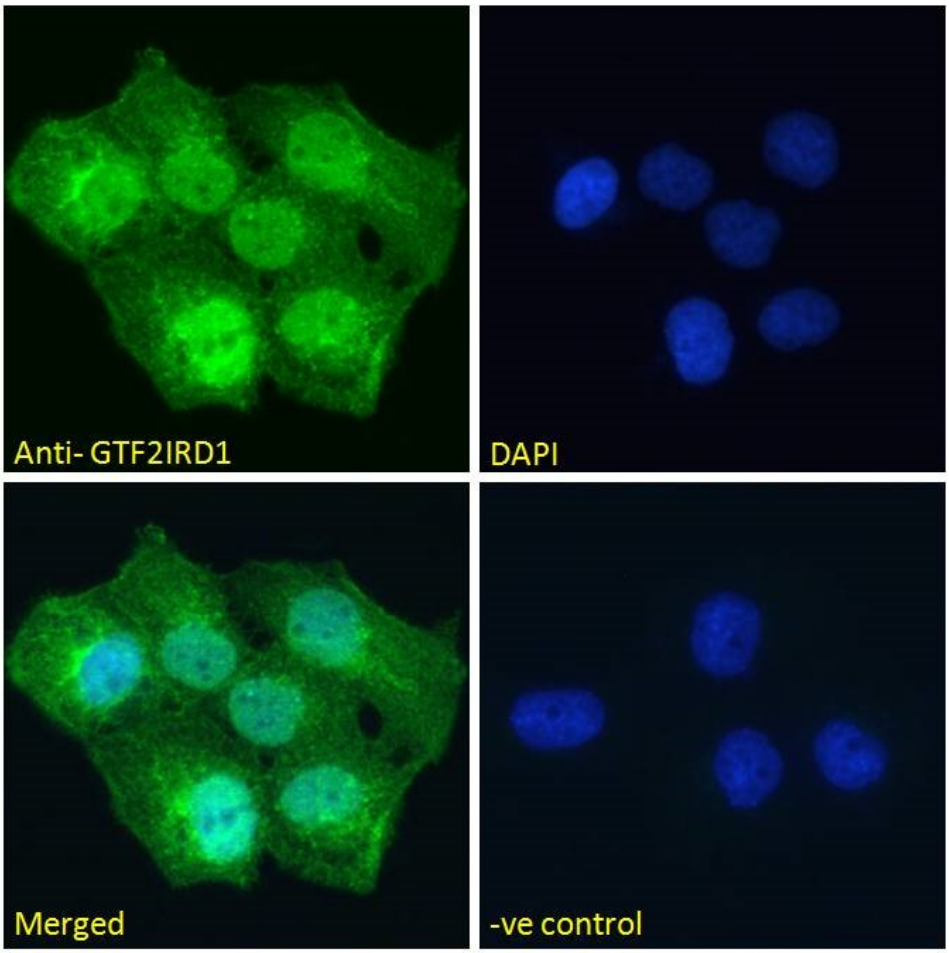
Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

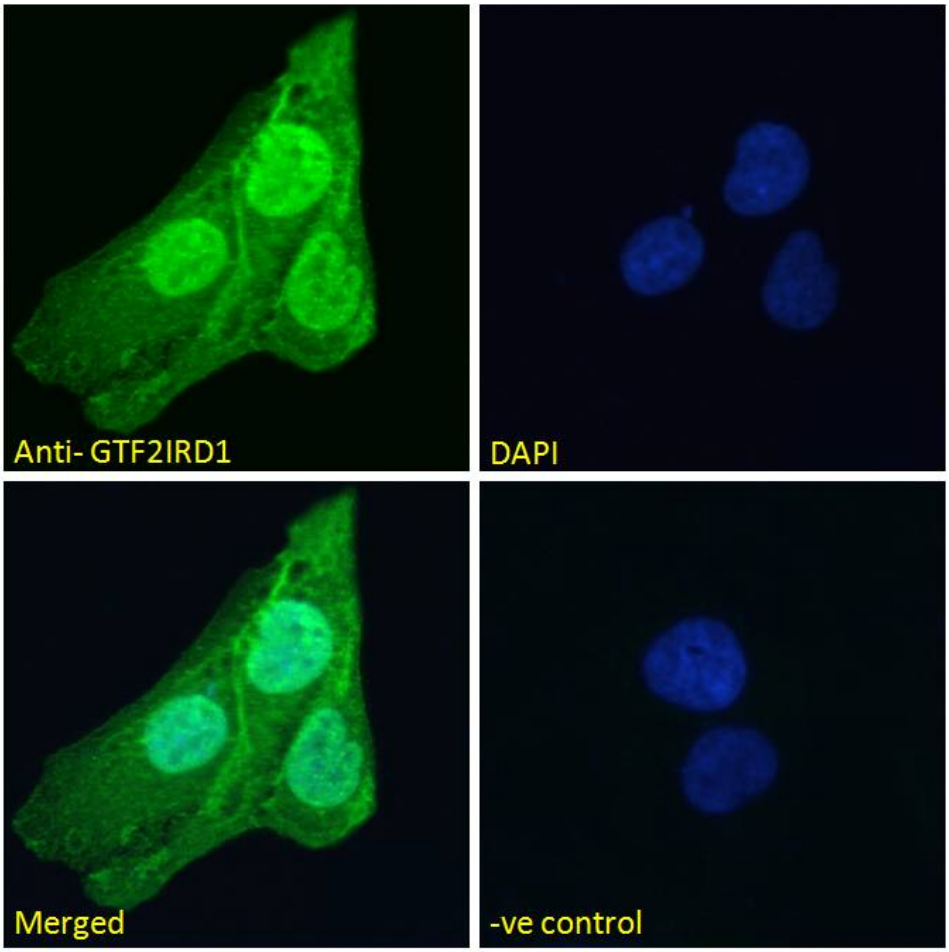
Species Reactivity

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

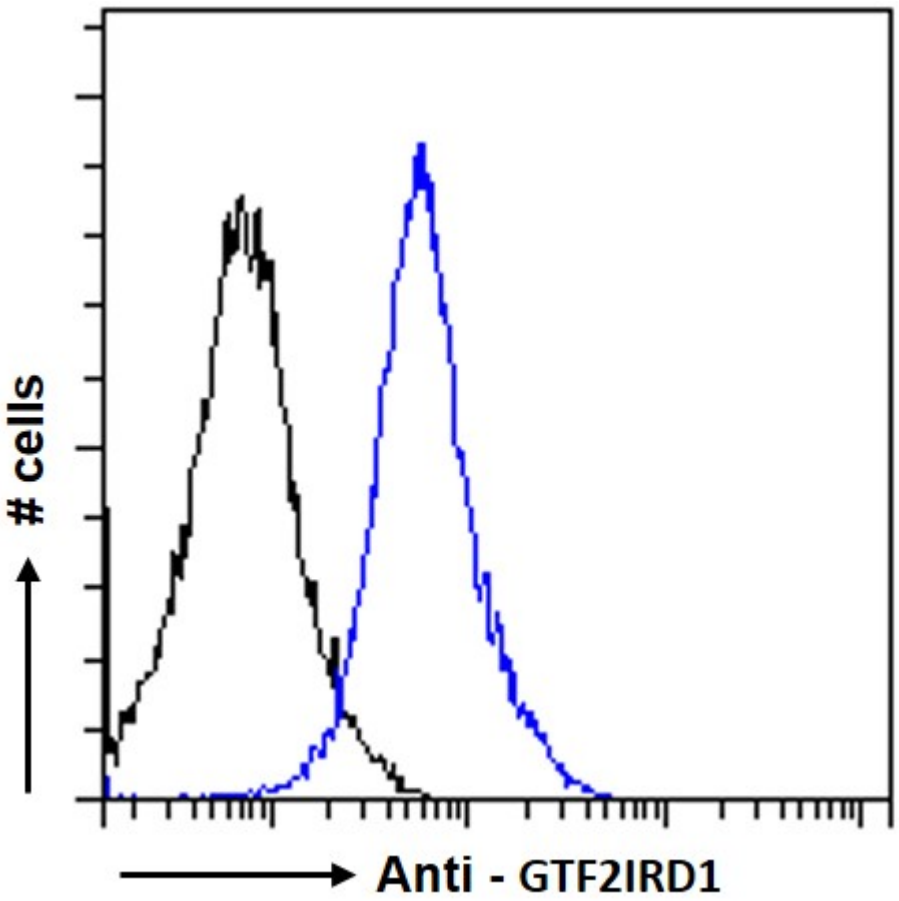
EB07355 (0.5µg/ml) staining of Jurkat nuclear cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB07355 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 nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07355 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear and cytoplasmic staining and some 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).



EB07355 Flow cytometric analysis of paraformaldehyde fixed A431 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.