## UK Office

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# EB10860 - Goat Anti-HYPE / FICD Antibody

Size: 100µg specific antibody in 200µl

## Target Protein

**Principal Names:** FICD, FIC domain containing, HIP13, HYPE, MGC5623, UNQ3041, Huntingtin interacting protein E, fic S-phase protein cell division homolog, huntingtin interacting protein 13
**Official Symbol:** FICD
**Accession Number(s):** NP_009007.2
**Human GeneID(s):** 11153
**Non-Human GeneID(s):** 231630 (mouse), 288741 (rat)

## Immunogen

Peptide with sequence C-PPITIRKEQRSD, from the internal region of the protein sequence according to NP_009007.2.

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

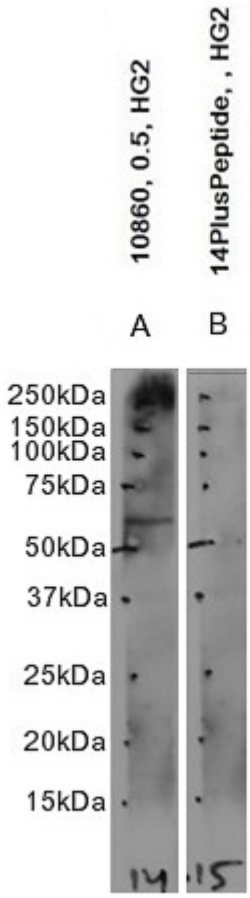
**Peptide ELISA:** antibody detection limit dilution 1:16000.
**Western blot:** Approx. 55kDa band observed in Human Tonsil and Kidney lysates, approx. 55-60kDa in lysates of cell lines HeLa and HEK293, and approx. 60kDa in HepG2 cell lysate, which was successfully blocked by incubation with the immunizing peptide (calculated MW of 51.8kDa according to NP_009007.2). Recommended concentration: 0.1-0.5µg/ml. Primary incubation 1 hour at room temperature.

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

**Flow Cytometry:** Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

## Species Reactivity

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




EB10860 optimised QC. Primary incubation 1 hour at room temperature.

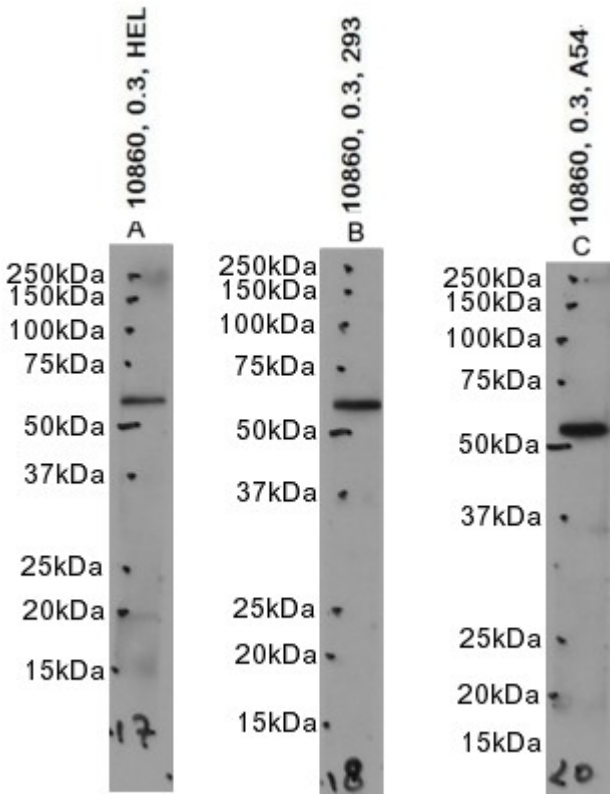
Images A+B: HepG2 cell lysate + peptide incubation at primary Ab concentration 0.5ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.

EB10860 optimised QC. Primary incubation 1 hour at room temperature.

Images A, B, C: HeLa, HEK293 and A549 cell lysate at primary Ab concentration 0.3ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.

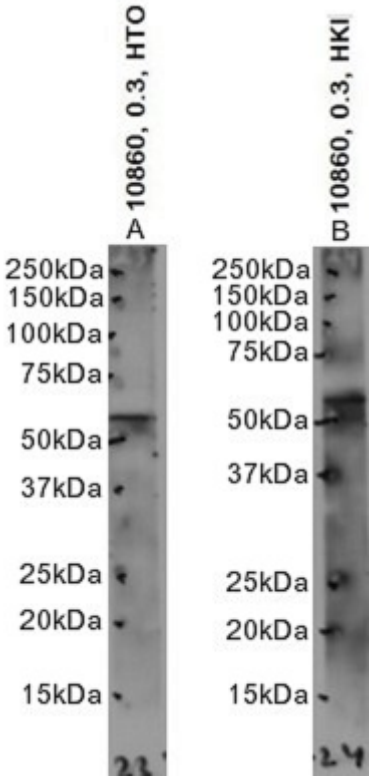
EB10860 optimised QC. Primary incubation 1 hour at room temperature.

Images A, B: Human Tonsil and Kidney lysate at primary Ab concentration 0.3ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



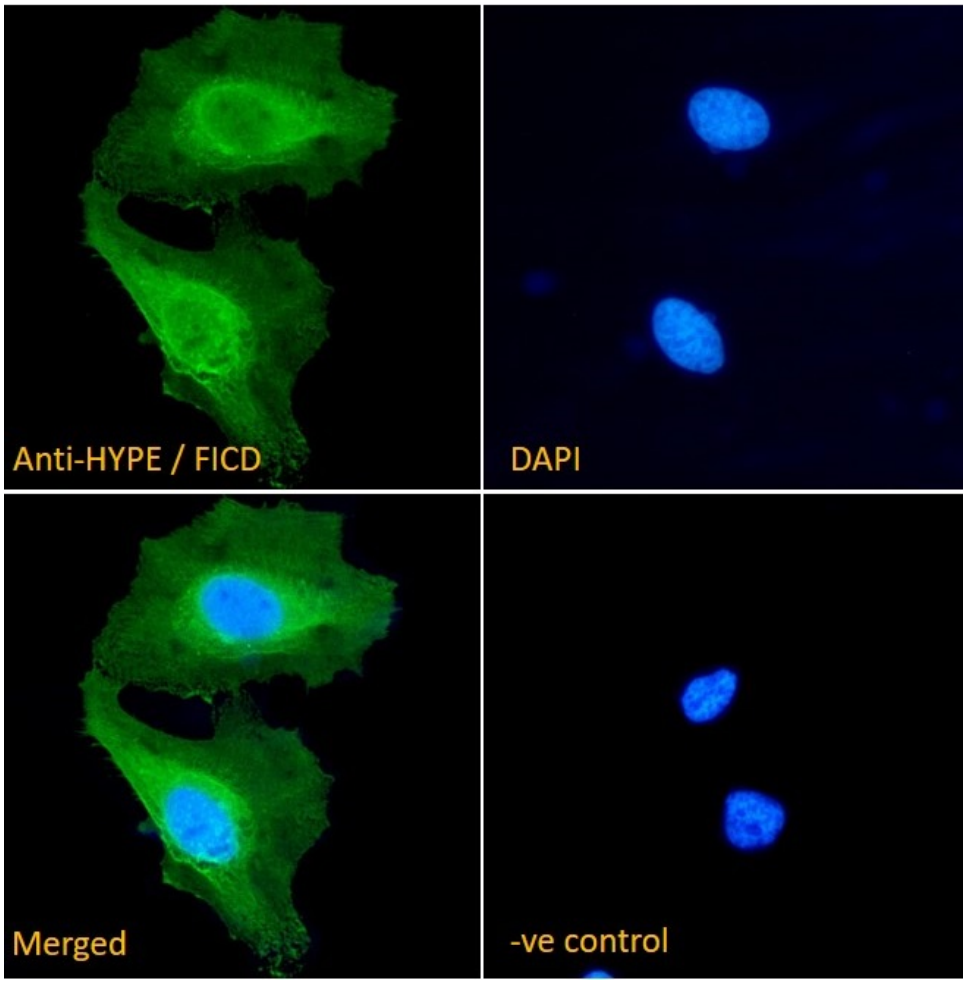

EB10860 optimised QC. Primary incubation 1 hour at room temperature.

Images A, B, C: HeLa, HEK293 and A549 cell lysate at primary Ab concentration 0.3ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.

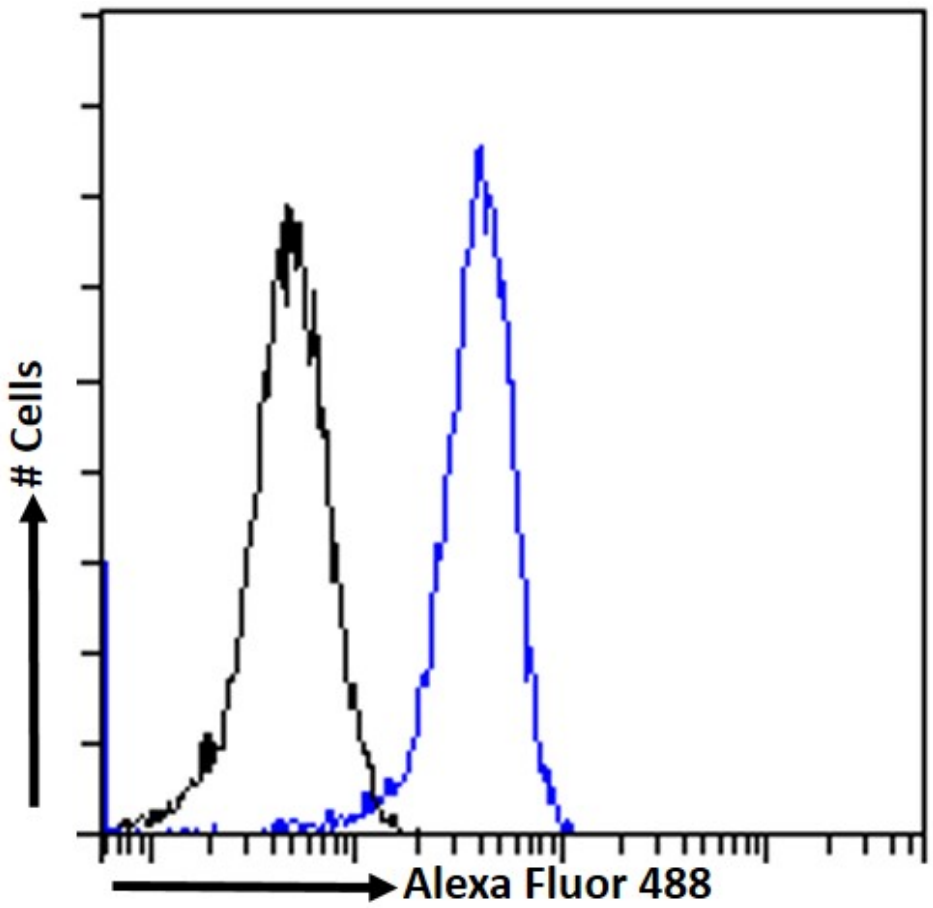



EB10860 optimised QC. Primary incubation 1 hour at room temperature.

Images A, B: Human Tonsil and Kidney lysate at primary Ab concentration 0.3ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.




EB10860 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 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).




EB10860 Flow cytometric analysis of paraformaldehyde fixed A549 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.