

## UK Office

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

## EB07295 - Goat Anti-HSPA8 (Isoform 1) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HSPA8, heat shock 70kDa protein 8, HSC54, HSC70, HSC71, HSP71, HSP73, HSPA10, LAP, MGC131511, MGC29929, NIP71, LPS-associated protein 1, N-myristoyltransferase inhibitor protein 71, constitutive heat shock protein 70, heat shock 70kD protein 8, heat shock 70kd protein 10, heat shock cognate protein 54, heat shock cognate protein, 71-kDa, lipopolysaccharide-associated protein, uncharacterized bone marrow protein BM034

**Official Symbol:** HSPA8

**Accession Number(s):** NP\_006588.1

**Human GeneID(s):** [3312](#)

**Non-Human GeneID(s):** 15481 (mouse), 24468 (rat)

**Important Comments:** This antibody is expected to recognise isoform 1 (NP\_006588.1) only.

### Immunogen

Peptide with sequence C-EKLQGKINDEDKQK, from the internal region of the protein sequence according to NP\_006588.1.

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 1:4000.

**Western blot:** Approx 75kDa band observed in lysates of cell lines HepG2 and NIH3T3 (calculated MW of 70.9kDa according to Human NP\_006588.1 and Mouse NP\_112442.2). This molecular weight is routinely observed by other sources. Recommended concentration: 0.03-0.1µg/ml. Primary incubation 1 hour at room temperature.

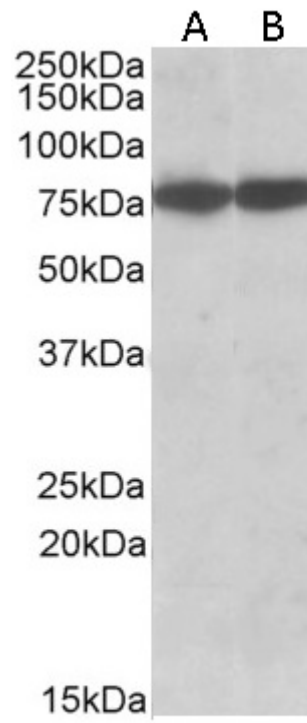
**IHC:** Paraffin embedded Human Prostate. Recommended concentration: 5µg/ml.

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

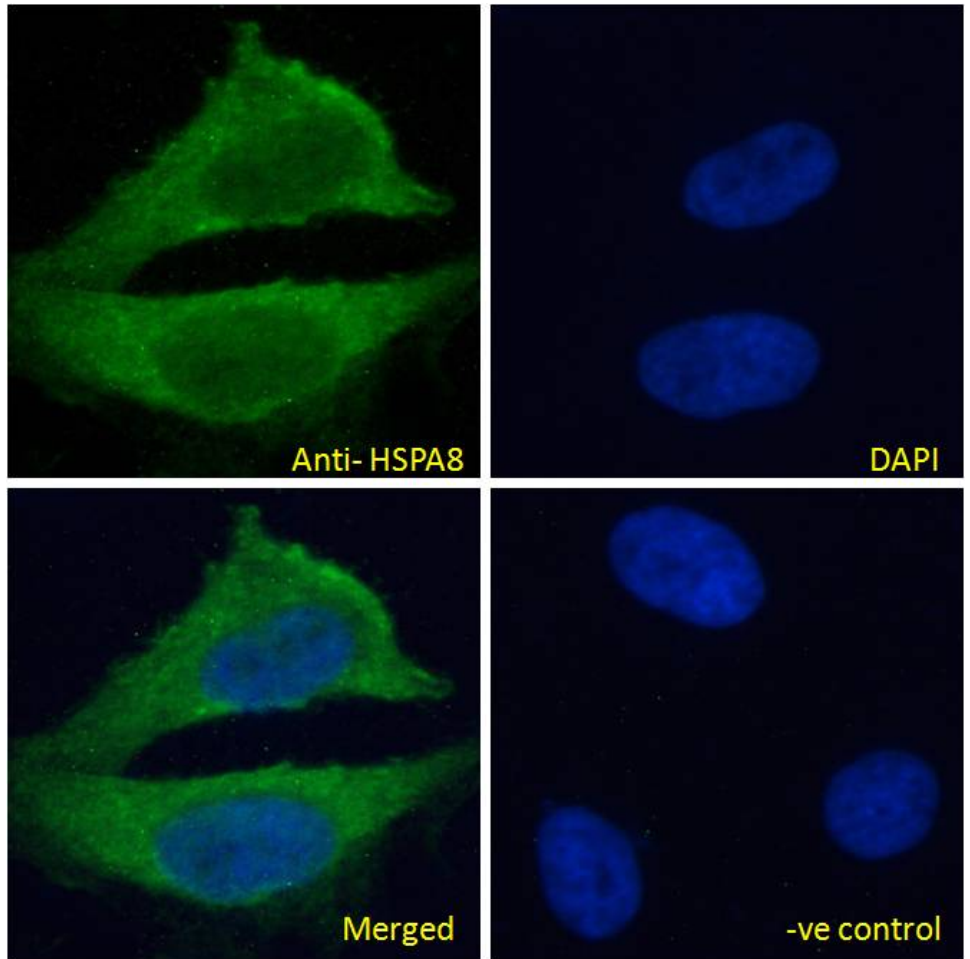
### Species Reactivity

**Tested:** Human, Mouse

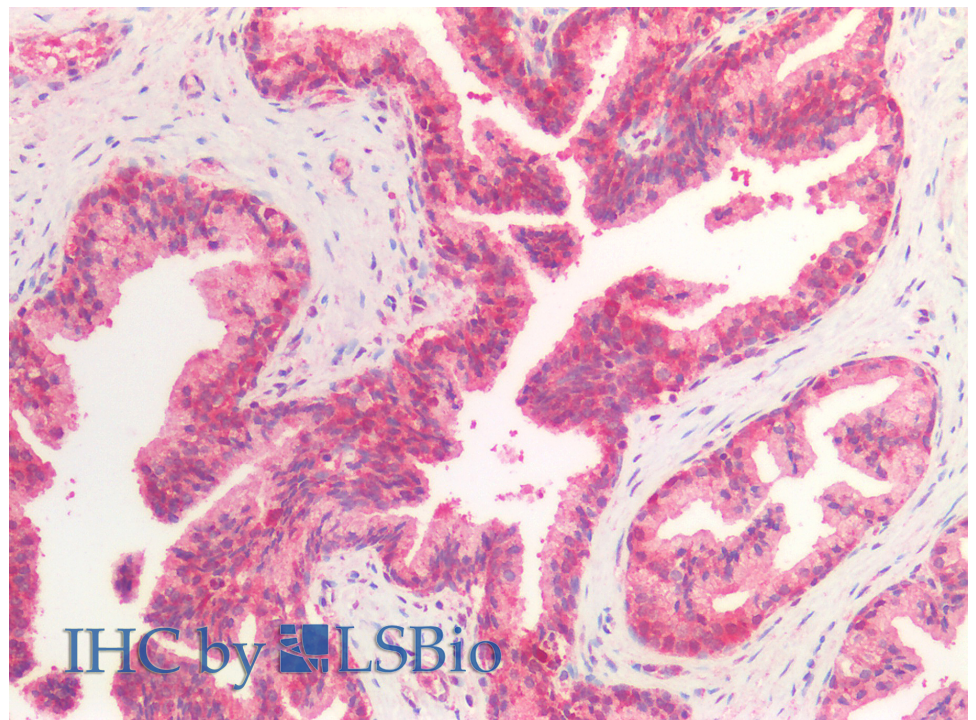
**Expected from sequence similarity:** Human, Mouse, Rat, Dog



EB07295 (0.03 $\mu$ g/ml) staining of HepG2 (A) and NIH3T3 (B) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB07295 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



EB07295 (5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.