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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 GenelD(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.

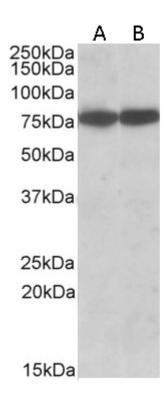
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa

cells. Recommended concentration: 10µg/ml

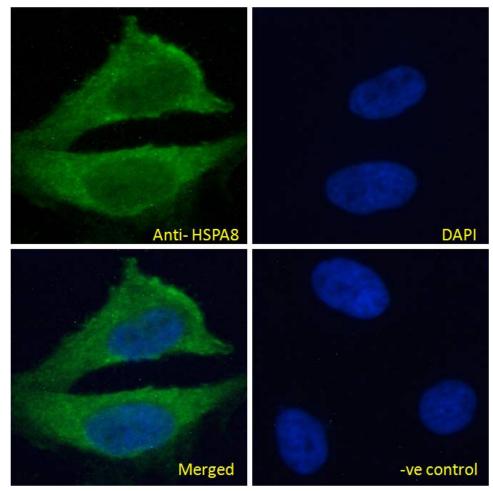
Species Reactivity

Tested: Human, Mouse

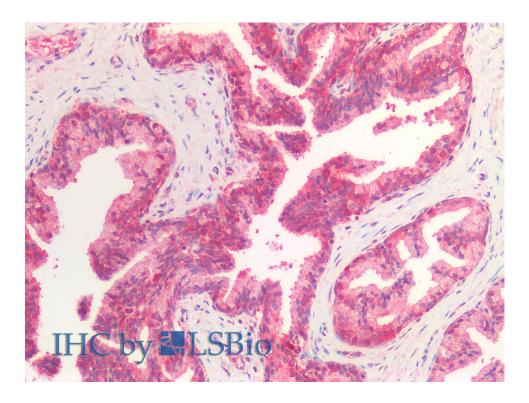
Expected from sequence similarity: Human, Mouse, Rat, Dog



EB07295 (0.03μg/ml) staining of HepG2 (A) and NIH3T3 (B) cell lysate (35μg 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.