



## UK Office

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

## EB06684 - Goat Anti-Nucleophosmin / NPM1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NPM1, NPM, B23, nucleophosmin (nucleolar phosphoprotein B23, numatrin), numatrin, nucleolar phosphoprotein B23, nucleophosmin/nucleoplasmin family, member 1, MGC104254, nucleophosmin 1

**Official Symbol:** NPM1

**Accession Number(s):** NP\_001341935.1; NP\_954654.1; NP\_001341936.1;  
NP\_001341939.1

**Human GeneID(s):** [4869](#)

### Immunogen

Peptide with sequence C-QEAIQDLWQWRKSL, from the C Terminus of the protein sequence according to NP\_001341935.1; NP\_954654.1; NP\_001341936.1; NP\_001341939.1.

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 1:8000.

**Western blot:** Approx 37kDa band observed in lysates of cell lines Daudi, Jurkat, K562 and NIH3T3 and in Mouse Spleen lysates (calculated MW of 32.6kDa according to Human NP\_001341935.1 and Mouse NP\_032748.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.01-1µg/ml. Primary incubation 1 hour at room temperature.

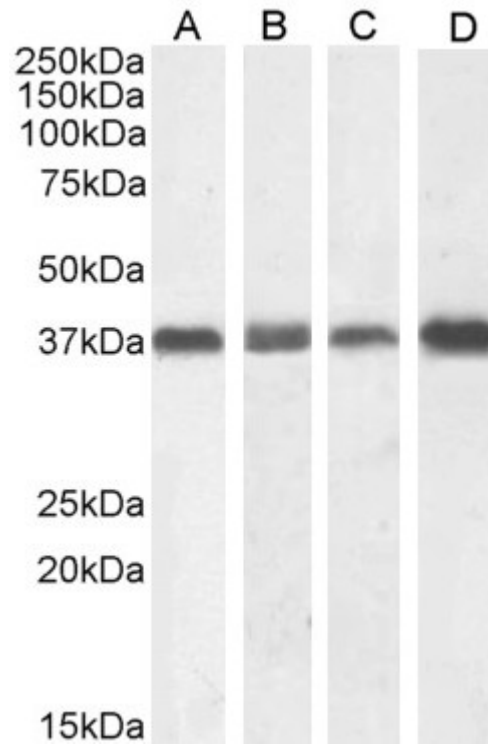
**IHC:** Paraffin embedded Human Testis. Recommended concentration: 5µg/ml.

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

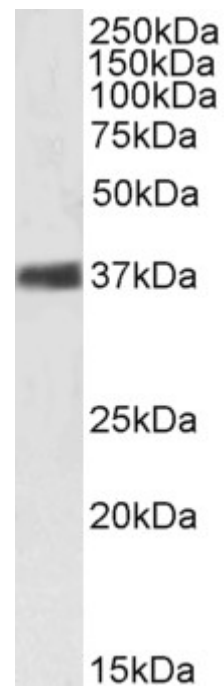
### Species Reactivity

**Tested:** Human, Mouse

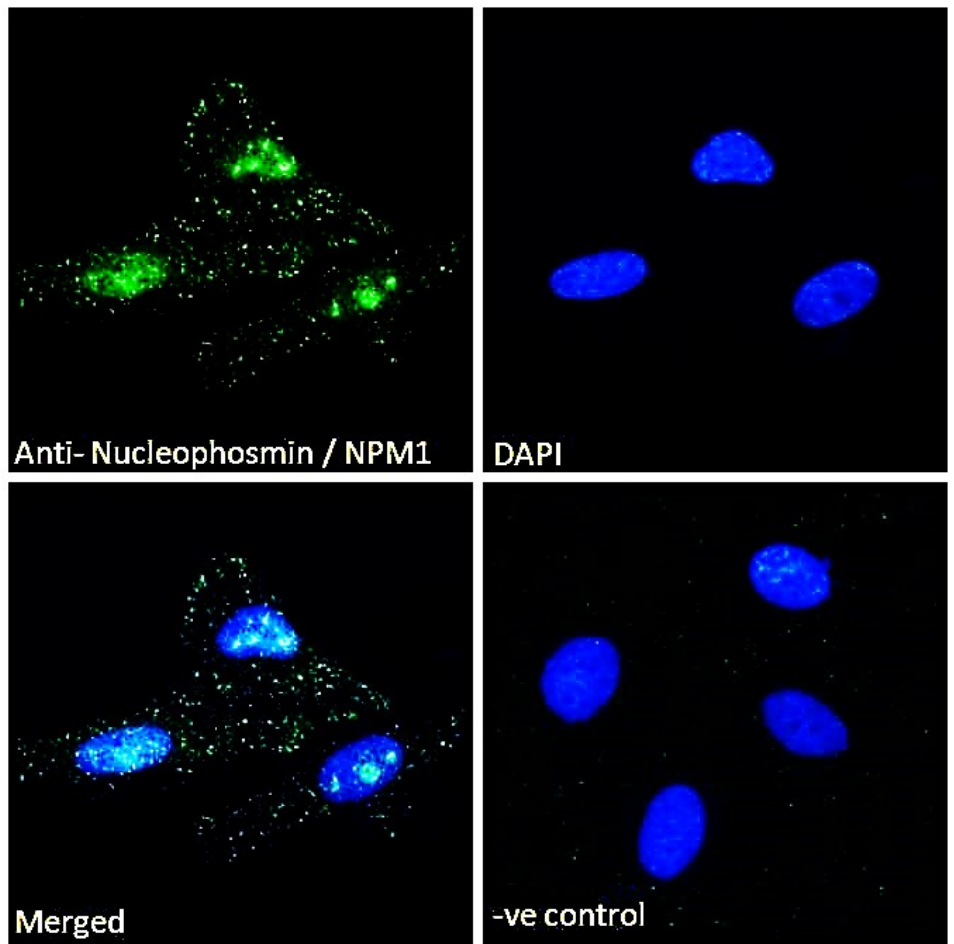
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



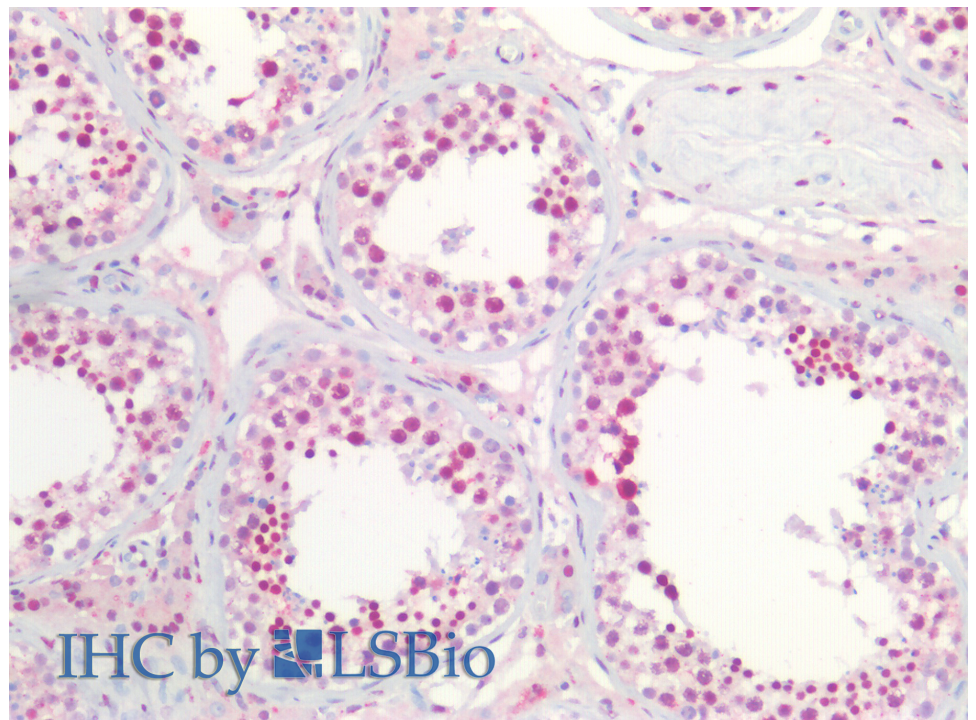
EB06684 (1 $\mu$ g/ml) staining of NIH3T3 (A), (0.1 $\mu$ g/ml) Daudi (B), Jurkat (C) and (0.01 $\mu$ g/ml) K562 (D) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06684 (1 $\mu$ g/ml) staining of Mouse Spleen lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06684 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 nucleoli staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06684 (5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.