

## International Office

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

## EB06964 - Goat Anti-HEXIM1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HEXIM1, hexamethylene bis-acetamide inducible 1, HGNC:24953, CLP1, HIS1, MAQ1, HMBA-inducible, hexamethylene bisacetamide-inducible protein, hexamethylene-bis-acetamide-inducible transcript 1, hexamethylene bis-acetamide inducible 1, menage a quatre 1, EDG1, FLJ13562

**Official Symbol:** HEXIM1

**Accession Number(s):** NP\_006451.1

**Human GeneID(s):** [10614](#)

**Non-Human GeneID(s):** 192231 (mouse)

### Immunogen

Peptide with sequence C-HRQQERAPLSKFGD, from the C Terminus of the protein sequence according to NP\_006451.1.

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 1:128000.

**Western blot:** Approx 40kDa band observed in Human and Mouse Heart lysates (calculated MW of 40.6kDa according to Human NP\_006451.1 and 40.2kDa according to Mouse NP\_620092.1. Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the nucleus of A431 and HeLa cells. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific References

**This antibody has been successfully used in Western blot on Human:**

Salla Kyheröinen et al.

Actin associates with actively elongating genes and binds directly to the Cdk9 subunit of P-TEFb.

J Biol Chem. 2024 Mar;300(3):105698.

PMID: 38301887

**This antibody has been successfully used in the following paper:**

Zhijia Wang, Samu V. Himanen, Heidi M. Haikala, Caroline C. Friedel, Anniina Vihervaara, Matjaž Barborič

Inhibition of CDK12 elevates cancer cell dependence on P-TEFb by stimulation of RNA polymerase II pause release

(2023) <https://doi.org/10.1101/2023.03.21.533608>

PMID: 0

**This antibody (previous batch) has been successfully used in IP on Human:**

Andrii Bugai, Alexandre J.C. Quaresma, Caroline C. Friedel, Tina Lenasi, Christopher R. Sibley, Petra Kukanja, Koh Fujinaga, Melanie Blasius, Thomas Hennig, Jernej Ule, Lars Dölken, Matjaz Barboric

P-TEFb activation by RBM7 shapes a pro-survival transcriptional response to genotoxic stress

Mol Cell. 2019 Apr 18;74(2):254-267.e10.

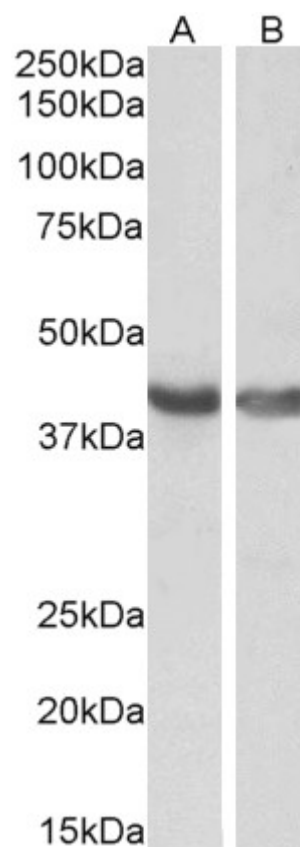
PMID: 30824372

**This antibody (previous batch) has been successfully used in Western blot on Human:**

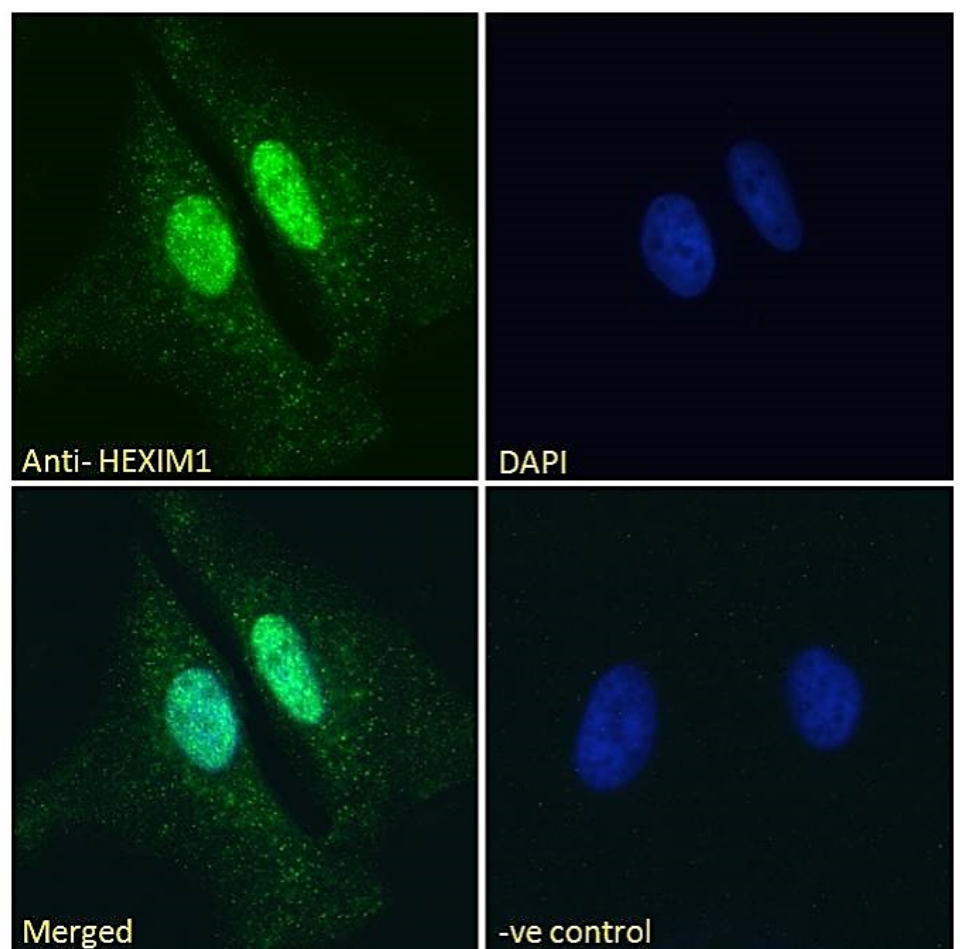
Dalibor Blazek, Fernando Teque, Carl Mackewicz, Matija Peterlin and Jay A. Levy.  
The CD8+ cell non-cytotoxic antiviral response affects RNA polymerase II-mediated human immunodeficiency virus transcription in infected CD4+ cells.

J Gen Virol. 2016 Jan;97(1):220-4.

PMID: 26499373

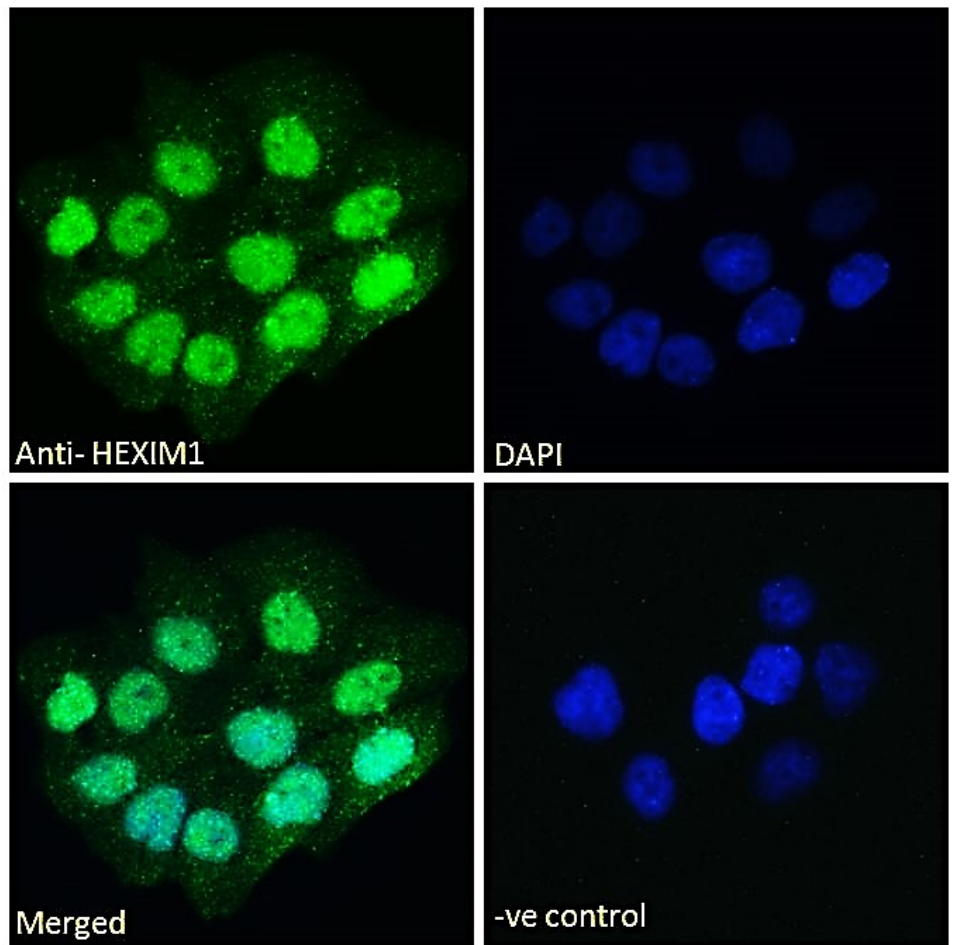


EB06964 (0.1µg/ml) staining of Human (A) and Mouse (B) Heart lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB06964 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 staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06964 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 staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).