

Datasheet for ABIN334418
anti-HEXIM1 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	HEXIM1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This HEXIM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	HEXIM1
Immunogen:	Peptide with sequence C-HRQKERAPLSKFGD, from the C Terminus of the protein sequence according to NP_006451.1.
Sequence:	HRQKERAPLS KFGD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	HEXIM1
Alternative Name:	HEXIM1 (HEXIM1 Products)
Background:	HEXIM1, hexamethylene bis-acetamide inducible 1, HGNC:24953, CLP1, HIS1, MAQ1 , HMBA-inducible, hexamethylene bisacetamide-inducible protein, hexamethylene-bis-acetamide-inducible transcript 1, hexamthylene bis-acetamide inducible 1, menage a quatre 1, ED
Gene ID:	10614, 192231
NCBI Accession:	NP_006451

Application Details

Application Notes:	Western Blot: Approx 40 kDa band observed in Human and Mouse Heart lysates (calculated MW of 40.6 kDa according to Human NP_006451.1 and 40.2 kDa according to Mouse NP_620092.1. Recommended concentration: 0.1-0.3 µg/mL. Primary incubation 1 hour at room tem Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the nucleus of A431 and HeLa cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

Handling

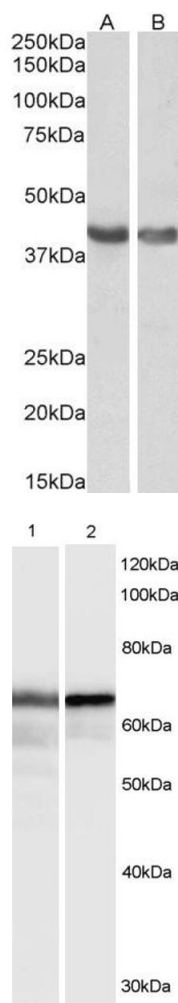
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in: Bugai, Quaresma, Friedel, Lenasi, Düster, Sibley, Fujinaga, Kukanja, Hennig, Blasius, Geyer, Ule, Dölken, Barborič: "P-TEFb Activation by RBM7 Shapes a Pro-survival Transcriptional Response to Genotoxic Stress." in: **Molecular cell**, Vol. 74, Issue 2, pp. 254-267.e10, (2019) ([PubMed](#)).

Faust, Li, Bacon, Jang, Weiss, Jayaraman, Newton, Krogan, DOrso, Frankel: "The HIV-1 Tat protein recruits a ubiquitin ligase to reorganize the 7SK snRNP for transcriptional activation." in: **eLife**, Vol. 7, (2019) ([PubMed](#)).

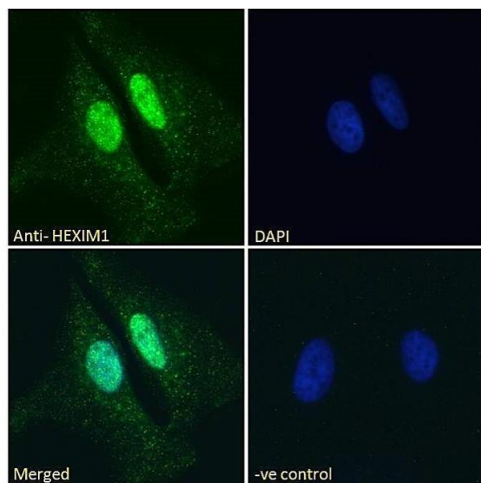
Images



Western Blotting

Image 1. ABIN334418 (0.1µg/ml) staining of Human (A) and Mouse (B) Heart lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.

Image 2. ABIN334418 (0.3µg/ml) staining of 1) HeLa cell lysate and 2) recombinant HEXIM1 (3ng). Detected by chemiluminescence. Data kindly provided by David Price and Jeff Cooper, University of Iowa, USA.



Immunofluorescence

Image 3. ABIN334418 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).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN334418.