

# HEXIM1 Monoclonal antibody

Catalog Number: 66311-1-Ig

## Basic Information

**Catalog Number:**

66311-1-Ig

**Size:**

150ul , Concentration: 300 ug/ml by Bradford method using BSA as the standard;

**Source:**

Mouse

**Isotype:**

IgM

**Immunogen Catalog Number:**

AG8019

**GenBank Accession Number:**

BC006460

**GeneID (NCBI):**

10614

**UNIPROT ID:**

O94992

**Full Name:**

hexamethylene bis-acetamide inducible 1

**Calculated MW:**

41 kDa

**Observed MW:**

54 kDa

**Purification Method:**

Thiophilic affinity chromatograph

**CloneNo.:**

2C8A2

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : MDA-MB-231 cells, Caco-2 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, HeLa cells

## Background Information

HEXIM1, also named CLP1, EDG1, HIS1 or MAQ1, is best known as the inhibitor of positive transcription elongation factor b, which regulates the transcription elongation of RNA polymerase II and controls 60-70% of mRNA synthesis. HEXIM1 regulates NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity. Previous studies showed that HEXIM1 interacts with two key p53 regulators, nucleophosmin and HDM2, implying a possible connection between HEXIM1 and the p53 signaling pathway. The mainstream MW of this protein is 65-70 kDa and 54 kDa ( PMID: 33627647, PMID: 20976203, PMID: 28254838).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

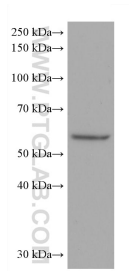
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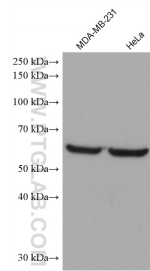
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## Selected Validation Data



Caco-2 cells were subjected to SDS PAGE followed by western blot with 66311-1-Ig (HEXIM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66311-1-Ig (HEXIM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.