

Datasheet for ABIN2780401  
**anti-HMGA1 antibody (N-Term)**



[Go to Product page](#)

2 Images

## Overview

Quantity:	100 µL
Target:	HMGA1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Horse, Guinea Pig, Zebrafish (Danio rerio), Goat, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGA1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HMGA1
Sequence:	MSESSSKSSQ PLASKQEKDG TEKRGRGRPR KQPPKEPSEV PTPKRPRGRP
Predicted Reactivity:	Cow: 93%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against HMGA1. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	HMGA1
---------	-------

## Target Details

Alternative Name:	HMGA1 ( <a href="#">HMGA1 Products</a> )
Background:	<p>This gene encodes a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-rich regions in double-stranded DNA. It has little secondary structure in solution but assumes distinct conformations when bound to substrates such as DNA or other proteins. The encoded protein is frequently acetylated and is found in the nucleus. At least seven transcript variants encoding two different isoforms have been found for this gene.</p> <p>Alias Symbols: HMG-R, HMGA1A, HMGIY, MGC12816, MGC4242, MGC4854</p> <p>Protein Interaction Partner: NCOR2, UBE2I, PPARG, UBC, UPF2, HTT, OLA1, DNAJC8, PSIP1, METAP2, SYNCRIP, CWC27, HNRNPDL, EIF2S2, PCBP2, PCBP1, PA2G4, NPM1, NCL, HSPA1A, HNRNPPL, HNRNPD, HNRNPAB, HNRNPA1, HMGB3, HMGB2, HMGB1, GTF2F2, XRCC6, CSNK2A1, RCC1, CDK1, APEX1, ANXA2, ANXA1, SSB,</p> <p>Protein Size: 96</p>
Molecular Weight:	11 kDa
Gene ID:	3159
NCBI Accession:	<a href="#">NM_002131</a> , <a href="#">NP_002122</a>
UniProt:	<a href="#">Q5T6U8</a>
Pathways:	<a href="#">Nuclear Hormone Receptor Binding</a> , <a href="#">Autophagy</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 96 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

**Image 1.** WB Suggested Anti-HMGA1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::12500

Positive Control: HT1080 cell lysate

HMGA1 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080 cells

Western Blotting

**Image 2.** WB Suggested Anti-HMGA1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HT1080 cell lysate HMGA1 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080 cells