

HMGB1 antibody

Catalog No: #38424

Package Size: #38424-1 50ul #38424-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

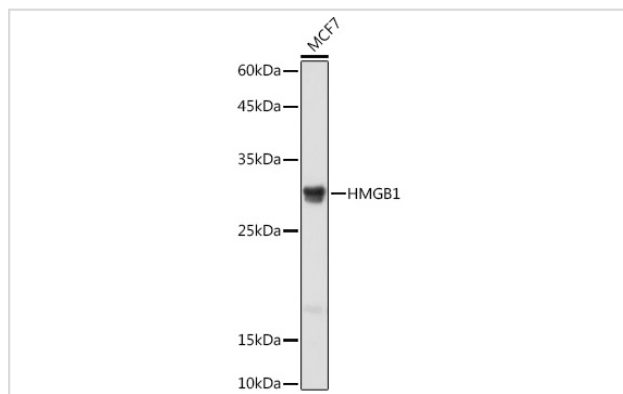
Description

Product Name	HMGB1 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total HMGB1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	A synthetic peptide of human HMGB1 (NP_002119.1).
Conjugates	Unconjugated
Target Name	HMGB1
Other Names	HMG-1;HMG1;HMG3;SBP-1;HMGB1
Accession No.	Uniprot:P09429GeneID:3146
SDS-PAGE MW	29KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

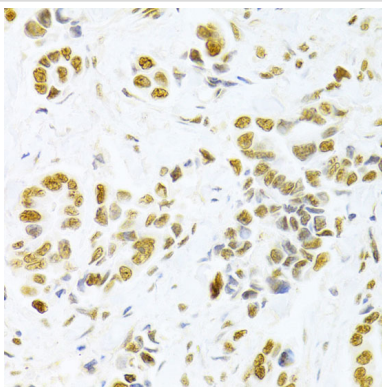
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

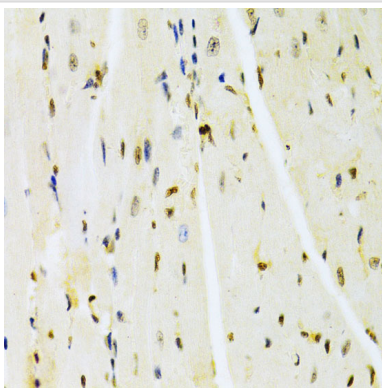
Images



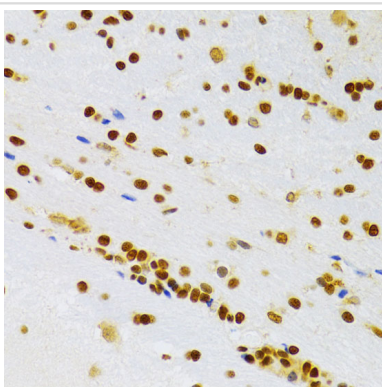
Western blot analysis of extracts of MCF7 cells, using [KO Validated] HMGB1 Rabbit pAb.



Immunohistochemistry of paraffin-embedded human breast cancer using HMGB1 Antibody.



Immunohistochemistry of paraffin-embedded mouse heart using HMGB1 Antibody.



Immunohistochemistry of paraffin-embedded rat brain using HMGB1 Antibody.

Background

This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein.

Published Papers

el at., Oleandrin, a cardiac glycoside, induces immunogenic cell death via the PERK/eIF2 α /ATF4/CHOP pathway in breast cancer. In Cell Death Dis on 2021 Mar 24 by

Xiaoxi Li, Jian Zheng, et al..PMID:33762577, , (2021)

[PMID:33762577](#)

Jingyao Li;Huixi Yi;Yuanyuan Fu;Jiani Zhuang;Zhixiong Zhan;Liyao Guo;Ji Zheng;Xiyong Yu;Dong-Yang Zhang el at., Biodegradable iridium coordinated nanodrugs potentiate photodynamic therapy and immunotherapy of lung cancer., , (2025)

[PMID:39488900](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.