

HMGB1 Antibody

Catalog No: #33661

Package Size: #33661-1 50ul #33661-2 100ul

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

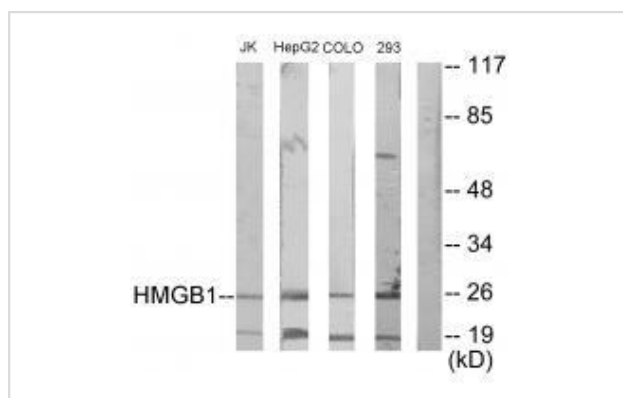
Description

Product Name	HMGB1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous levels of total HMGB1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human HMGB1.
Conjugates	Unconjugated
Target Name	HMGB1
Other Names	HMG-1; HMG1; High mobility group protein 1; SBP-1; amphoterin
Accession No.	Swiss-Prot: P09429NCBI Gene ID: 3146
SDS-PAGE MW	25kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from Jurkat cells, HepG2 cells, COLO205 cells and 293 cells, using HMGB1 antibody #33661.

Background

DNA binding proteins that associates with chromatin and has the ability to bend DNA. Binds preferentially single-stranded DNA. Involved in V(D)J recombination by acting as a cofactor of the RAG complex. Acts by stimulating cleavage and RAG protein binding at the 23 bp spacer of conserved recombination signal sequences (RSS). Heparin-binding protein that has a role in the extension of neurite-type cytoplasmic processes in developing cells By similarity.

Wen L., Nucleic Acids Res. 17:1197-1214(1989).

Ferrari S., Genomics 35:367-371(1996).

Rasmussen R.K., Electrophoresis 18:588-598(1997).

Published Papers

Jingyao Li;Huixi Yi;Yuanyuan Fu;Jiani Zhuang;Zhixiong Zhan;Liyu Guo;Ji Zheng;Xiyong Yu;Dong-Yang Zhang et al., 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.