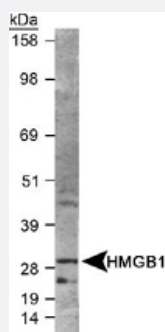


HMGB1 polyclonal antibody

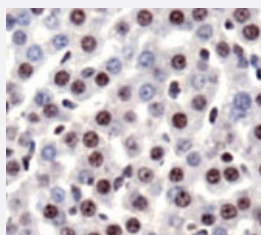
Catalog # PAB12414 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HMGB1 in whole cell HeLa lysate using HMGB1 polyclonal antibody (Cat # PAB12414). ECL exposure, 1 min.



Immunohistochemistry

Staining of HMGB1 in mouse liver using HMGB1 polyclonal antibody (Cat # PAB12414).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HMGB1.
Immunogen	A synthetic peptide corresponding to amino acids 100-200 of human HMGB1.
Host	Rabbit
Reactivity	Bovine, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat
Form	Liquid

Recommend Usage	Flow Cytometry (1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:250) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-glycine, 150 mM NaCl (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HMGB1 in whole cell HeLa lysate using HMGB1 polyclonal antibody (Cat # PAB12414). ECL exposure, 1 min.

- Immunohistochemistry

Staining of HMGB1 in mouse liver using HMGB1 polyclonal antibody (Cat # PAB12414).

Gene Info — HMGB1

Entrez GeneID	3146
Protein Accession#	P09429
Gene Name	HMGB1
Gene Alias	DKFZp686A04236, HMG1, HMG3, SBP-1
Gene Description	high-mobility group box 1
Omim ID	163905
Gene Ontology	Hyperlink
Other Designations	Amphoterin OTTHUMP00000018199 OTTHUMP00000190860 Sulfoglucuronyl carbohydrate binding protein high mobility group box 1 high mobility group protein 1 high-mobility group (nonhistone chromosomal) protein 1

Publication Reference

- [Necroptosis Underlies Hepatic Damage in a Piglet Model of Lipopolysaccharide-Induced Sepsis.](#)

Qiao Xu, Junjie Guo, Xiangen Li, Yang Wang, Dan Wang, Kan Xiao, Huiling Zhu, Xiuying Wang, Chien-An Andy Hu, Guolong Zhang, Yulan Liu.

Frontiers in Immunology 2021 Mar; 12:633830.

Application: WB-Ti, Pig, Pig liver

- [EPA and DHA attenuate deoxynivalenol-induced intestinal porcine epithelial cell injury and protect barrier function integrity by inhibiting necroptosis signaling pathway.](#)

Xiao K, Liu C, Qin Q, Zhang Y, Wang X, Zhang J, Odle J, Lin X, Hu CA, Liu Y.

FASEB Journal 2020 Feb; 34(2):2483.

Application: WB-Ce, Pig, IPEC-1 cells

- [Baicalin Inhibits Haemophilus Parasuis-Induced High-Mobility Group Box 1 Release during Inflammation.](#)

Fu S, Liu H, Chen X, Qiu Y, Ye C, Liu Y, Wu Z, Guo L, Hou Y, Hu CA.

International Journal of Molecular Sciences 2018 Apr; 19(5):E1307.

Application: WB, Pig, Piglet peripheral blood monocytes

- [Autophagy and mitochondrial remodelling in mouse mesenchymal stromal cells challenged with Staphylococcus epidermidis.](#)

Gorbunov NV, McDaniel DP, Zhai M, Liao PJ, Garrison BR, Kiang JG.

Journal of Cellular and Molecular Medicine 2015 May; 19(5):1133.

Application: WB-Ce, Mouse, Bone marrow mesenchymal stromal cells (BMSCs)

Pathway

- [Base excision repair](#)

Disease

- [Bone Marrow Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)

- [Hematologic Neoplasms](#)
- [Puerperal Disorders](#)
- [Recurrence](#)
- [Sepsis](#)
- [Streptococcal Infections](#)
- [Systemic Inflammatory Response Syndrome](#)