

À des fins de recherche uniquement

Anticorps Monoclonal anti-HMGB1

Numéro de catalogue: 66525-1-Ig **28 Publications**



Informations de base

Numéro de catalogue: 66525-1-Ig	Numéro d'acquisition GenBank: BC003378	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1900 µg/ml by 3146 Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 3146	CloneNo.: 1D12A6
Hôte: Mouse	Nom complet: high-mobility group box 1	Dilutions recommandées: WB 1:1000-1:6000
Isotype: IgG1	MW calculé: 25 kDa	
Immunogen Catalog Number: AG1264	MW observés: 30 kDa	

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : cellules HepG2, cellules HeLa, cellules Jurkat, cellules K-562, cellules L02, cellules NIH/3T3
Demandes citées: CoIP, IHC, IP, WB	
Spécificité de l'espèce: Humain, souris	
Espèces citées: Humain, rat, souris	

Informations générales

The HMG (high mobility group) proteins are nonhistone chromosomal proteins that is present in almost all eukaryotic cells, and it functions to stabilize NUCLEOSOME formation and acts as a transcription-factor-like protein that regulates the expression of several genes[PMID: 18160415]. Once injury, infection or other inflammatory stimuli, activated macrophages, mature dendritic cells and natural killer cells can secrete HMGB1, which act as a crucial cytokine[PMID: 20163887]. HMGB1 also involved in V(D)J recombination by acting as a cofactor of the RAG complex, stimulating cleavage and RAG protein binding at the 23 bp spacer of conserved recombination signal sequences (RSS)[PMID: 19360789]. Act as a Heparin-binding protein that has a role in the extension of neurite-type cytoplasmic processes in developing cells. HMGB1 (high mobility group box 1) modulates gene expression in the nucleus, but certain immune cells secrete HMGB1 as an extracellular Alarmin to signal tissue damage. The nuclear HMGB1 relocates to the extracellular milieu in senescent human and mouse cells in culture and in vivo, which stimulated cytokine secretion through TLR-4 signaling (23649808). This antibody is raised against full length HMGB1 of human origin. The monomeric HMGB1 is 29 kDa and dimer is 58 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Xuan Wang	36167857	Nat Commun	WB
Yichao Du	34512864	Oxid Med Cell Longev	WB
Zhuan Feng	34626772	Biochim Biophys Acta Mol Basis Dis	WB

Stockage

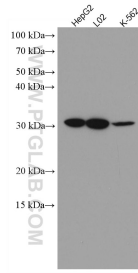
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
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Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 66525-1-Ig (HMGB1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.