

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-HMGB1



Numéro de catalogue: 10829-1-AP

Phare

201 Publications

Informations de base

Numéro de catalogue: 10829-1-AP	Numéro d'acquisition GenBank: BC003378	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 800 µg/ml by Nanodrop;	Identification du gène (NCBI): 3146	Dilutions recommandées: WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:50-1:500
Hôte: Lapin	Nom complet: high-mobility group box 1	
Isotype: IgG	MW calculé: 25 kDa	
Immunogen Catalog Number: AG1264	MW observés: 30 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

ChIP, CoIP, FC, IF, IHC, IP, RIP, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain, poisson-zèbre, rat, souris

Contrôles positifs:

WB : cellules HepG2, cellules C6, cellules Jurkat, cellules K-562, cellules RAW 264.7, tissu rénal de souris

IHC : tissu cérébral de souris, tissu de cancer du sein humain

IF : cellules HeLa,

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

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 a rabbit polyclonal antibody 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
Lihua Luo	34593005	J Nanobiotechnology	WB
Xufeng Tao	25083618	Transplantation	WB
Yuanli Huang	34594133	Cancer Manag Res	IHC

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azotate de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquote n'est pas nécessaire pour le stockage à -20C

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

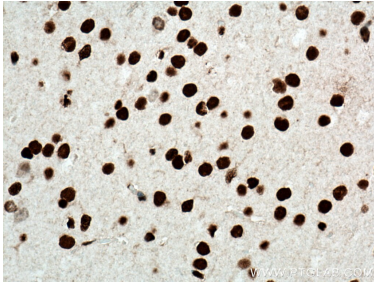
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

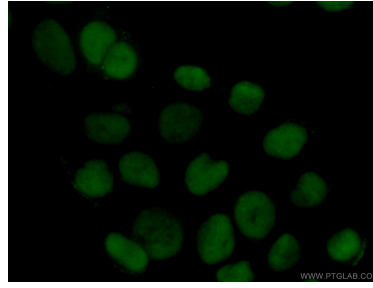
E: proteintech@ptglab.com
W: ptglab.com

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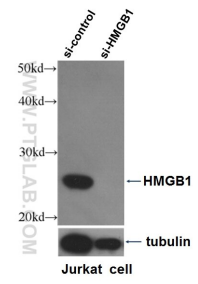
Données de validation sélectionnées



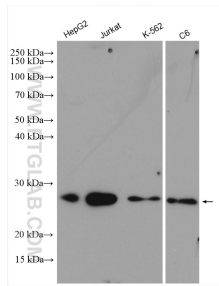
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10829-1-AP (HMGB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 10829-1-AP (HMGB1 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of HMGB1 antibody (10829-1-AP, 1:1500) with si-control and si-HMGB1 transfected Jurkat cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10829-1-AP (HMGB1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.