

Allgemeine Informationen

Katalog-Nr.: 66525-1-Ig	GenBank-Zugangsnummer: BC003378	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 1900 µg/ml von 3146 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): high-mobility group box 1	CloneNo.: 1D12A6
Wirt: Maus	Berechnete Masse: 25 kDa	Empfohlene Verdünnungen: WB 1:1000-1:6000
Isotyp: IgG1	Beobachtete Masse: 30 kDa	
Immunogen Katalognummer: AG1264		

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : HepG2-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, L02-Zellen, NIH/3T3-Zellen
In Publikationen genannte Anwendungen: CoIP, IHC, WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human, Maus, Ratte	

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

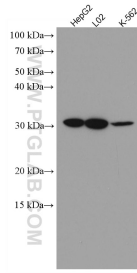
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% 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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Ausgewählte Validierungsdaten



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.