

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-HMGB2



Numéro de catalogue: 15605-1-AP

## Informations de base

<b>Numéro de catalogue:</b> 15605-1-AP	<b>Numéro d'acquisition GenBank:</b> BC000903	<b>Méthode de purification:</b> Purification par affinité contre l'antigène
<b>Taille:</b> 150ul, Concentration: 260 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 3148	<b>Dilutions recommandées:</b> WB 1:500-1:2400 IHC 1:20-1:200
<b>Hôte:</b> Lapin	<b>Nom complet:</b> high-mobility group box 2	
<b>Isotype:</b> IgG	<b>MW calculé:</b> 24 kDa	
<b>Immunogen Catalog Number:</b> AG7989	<b>MW observés:</b> 24-28 kDa	

## Applications

<b>Applications testées:</b> IHC, WB, ELISA	<b>Contrôles positifs:</b> WB : cellules HEK-293, IHC : tissu de lymphome humain,
<b>Spécificité de l'espèce:</b> Humain, rat, souris	
<b>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.</b>	

## Informations générales

High mobility group protein B2 (HMGB2) belongs to a family of highly conserved proteins that contain HMG box domains (11246022,14871457). All three family members (HMGB1, HMGB2, and HMGB3) contain two HMG box domains and a C-terminal acidic domain. HMGB1 is a widely expressed and highly abundant protein (14871457). HMGB2 is widely expressed during embryonic development, but it is restricted to lymphoid organs and testis in adult animals (11262228). HMGB3 is only expressed during embryogenesis (9598312). While expression varies, the biochemical properties of the different family members may be indistinguishable. The HMG box domains facilitate the binding of HMGB proteins to the minor groove of DNA, which results in local bending of the DNA double helix. HMGB proteins are recruited by and help facilitate the assembly of site-specific DNA binding proteins to their cognate binding sites in chromatin. For example, HMGB1 and HMGB2 facilitate the binding of Hox proteins, Oct proteins, p53, Rel proteins, and steroid hormone receptor proteins to their target gene promoters (11246022,14871457). Furthermore, HMGB2 interacts with RAG1 to facilitate RAG complex binding to the recombinant signal sequence (RSS) and stimulate DNA-bending and subsequent VDJ cleavage at antigen receptor genes (19317908,10490593). In addition to their functions in the nucleus, HMGB proteins play a significant role in extracellular signaling associated with inflammation. HMGB2 is secreted by myeloid cells and promotes proliferation and migration of endothelial cells by binding to the receptor for advanced glycation endproducts (RAGE) (19811285). Research studies have shown that HMGB2 overexpression in hepatocellular carcinoma is associated with poor prognosis and shorter survival time (20851854). This antibody recognizes the phosphorylation form of HMGB2 protein. HMGB2 are highly homologous 80% 25 to 30 kDa proteins that belong to the HMGB subgroup of the HMG proteins. (PMID: 18218727)

## 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.

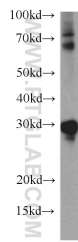
For technical support and original validation data for this product please contact:

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

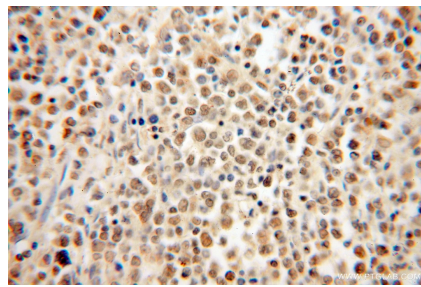
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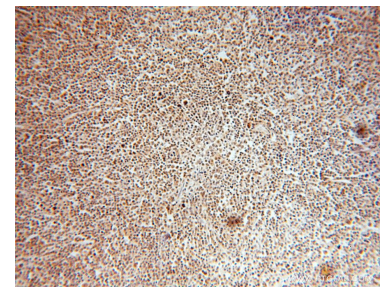
## Données de validation sélectionnées



HEK-293 cells were subjected to SDS PAGE followed by western blot with 15605-1-AP (HMGB2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 15605-1-AP (HMGB2 antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human lymphoma using 15605-1-AP (HMGB2 antibody) at dilution of 1:50 (under 10x lens).