

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-HMGA2



Numéro de catalogue: 20795-1-AP

Phare

33 Publications

## Informations de base

Numéro de catalogue:  
20795-1-AP

Taille:  
150ul, Concentration: 650 µg/ml by Nanodrop and 507 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG14588

Numéro d'acquisition GenBank:  
NM\_003483

Identification du gène (NCBI):  
8091  
Nom complet:  
high mobility group AT-hook 2

MW calculé:  
108 aa, 12 kDa

MW observés:  
18-20 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:5000-1:50000  
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB  
IHC 1:250-1:1000  
IF 1:50-1:500

## Applications

Applications testées:  
IF, IHC, IP, WB, ELISA

Demandes citées:  
CoIP, IF, IHC, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, rat, souris

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

Contrôles positifs:

WB : cellules A549, cellules C6, cellules HCT 116, cellules HepG2, cellules NCI-H1299, cellules NIH/3T3

IP : cellules NIH/3T3,

IHC : tissu de cancer du pancréas humain, tissu de cancer du côlon humain

IF : cellules A549,

## Informations générales

HMGA2 belongs to the family of high mobility group with AT-hook DNA binding domain. HMGA proteins are considered architectural transcription factors; they do not have direct transcriptional activation capacity, but instead regulate gene expression by changing DNA conformation through binding to AT-rich regions in the DNA and/or direct interaction with other transcription factors (PMID: 18202751,19551524). HMGA2 is abundantly and ubiquitously expressed and plays a crucial role during embryonic development (18425117). HMGA2 promotes stem cell self-renewal and research studies have shown that decreased HMGA2 expression is associated with stem cell aging (19551524). Investigators have shown that expression levels of HMGA2 are very low in normal adult tissues, while either overexpression or rearrangement is associated with many types of cancer (PMID: 20228781). The calculated molecular weight of HMGA2 is 12 kDa, but modified HMGA2 is about 18-20 kDa. (PMID: 18505920)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Miao Li	30247605	J Clin Endocrinol Metab	IHC
Junjie Hasenbilige	34481905	Toxicology	WB
Ri-Xin Chen	31619685	Nat Commun	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.

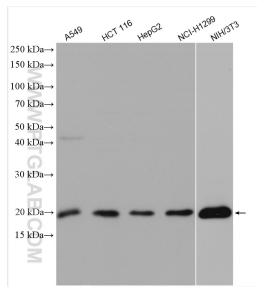
For technical support and original validation data for this product please contact:

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

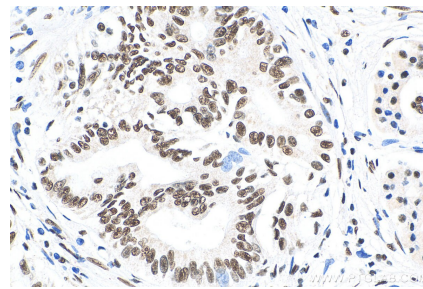
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

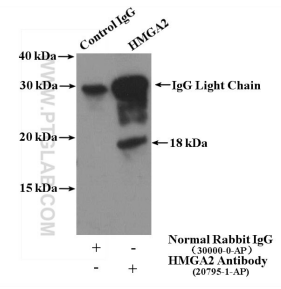
## Données de validation sélectionnées



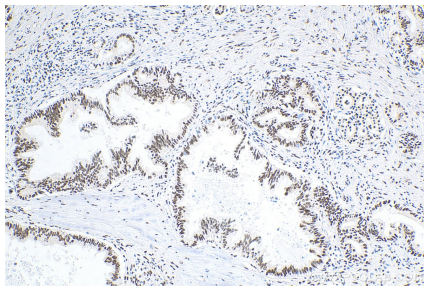
Various lysates were subjected to SDS PAGE followed by western blot with 20795-1-AP (HMGA2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



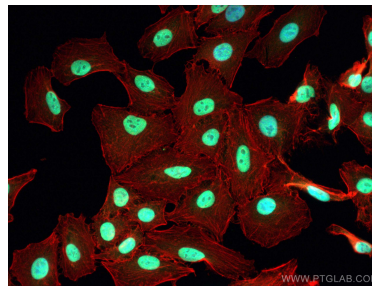
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 20795-1-AP (HMGA2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-HMGA2 (IP:20795-1-AP, 4ug; Detection:20795-1-AP 1:1000) with NIH/3T3 cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 20795-1-AP (HMGA2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using HMGA2 antibody (20795-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).