

Nur für Forschungszwecke

# HMGA2 Polyklonaler Antikörper

Katalog-Nr.:20795-1-AP

Vorgestelltes Produkt

33 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
20795-1-AP

Größe:

150ul , Konzentration: 650 µg/ml von  
Nanodrop und 507 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:  
AG14588

GenBank-Zugangsnummer:

NM\_003483

GeneID (NCBI):

8091

Vollständiger Name:

high mobility group AT-hook 2

Berechnete Masse:

108 aa, 12 kDa

Beobachtete Masse:

18-20 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 ug für IP und 1:500-1:2000

für WB

IHC 1:250-1:1000

IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-  
Puffer pH 9,0 empfohlen. (\*) Wahlweise  
kann die Antigendemaskierung auch mit  
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

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

IP : NIH/3T3-Zellen,

IHC : humanes Pankreaskarzinomgewebe, humanes  
Kolonkarzinomgewebe

IF : A549-Zellen,

## Hintergrundinformationen

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)

## Bemerkenswerte Veröffentlichungen

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

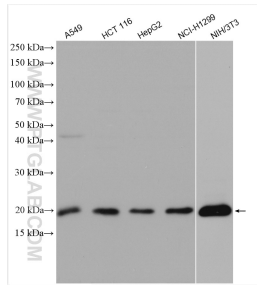
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

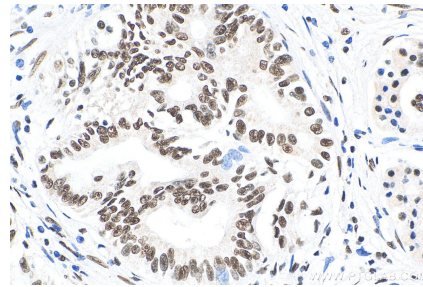
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

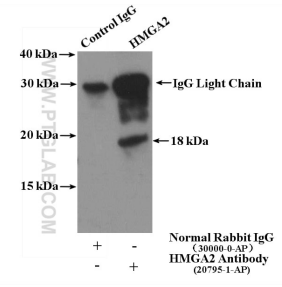
## Ausgewählte Validierungsdaten



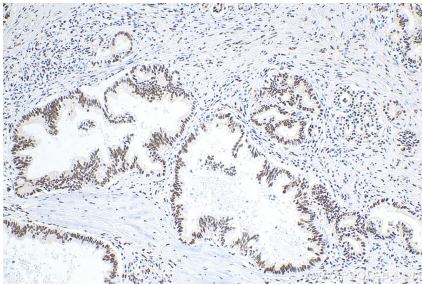
Various lysates were subjected to SDS PAGE followed by western blot with 20795-1-AP (HMGA2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



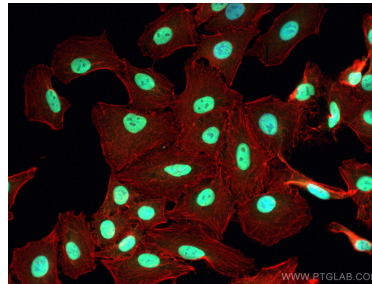
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 20795-1-AP (HMGA2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).