

Nur für Forschungszwecke

MGEA5 Polyklonaler Antikörper

Katalog-Nr.: 14711-1-AP

Vorgestelltes Produkt

54 Publikationen



Allgemeine Informationen

Katalog-Nr.: 14711-1-AP	GenBank-Zugangsnummer: BC039583	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 850 µg/ml von Nanodrop;	GeneID (NCBI): 10724	Empfohlene Verdünnungen: WB 1:2000-1:16000 IP 0.5-4.0 ug für IP und 1:1000-1:4000 für WB
Wirt: Kaninchen	Vollständiger Name: meningioma expressed antigen 5 (hyaluronidase)	IHC 1:50-1:500 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 103 kDa	
Immunogen Katalognummer: AG6405	Beobachtete Masse: 130 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, IP, WB, ELISA	Positivkontrollen: WB : SMMC-7721-Zellen, BxPC-3-Zellen, HepG2-Zellen
In Publikationen genannte Anwendungen: ChIP, CoIP, IF, IHC, RIP, WB	IP : HepG2-Zellen,
Getestete Reaktivität: Human, Maus, Ratte	IHC : humanes Pankreasgewebe, humanes Meningiom-Gewebe
Zitierte Arten: Drosophila, Hausschwein, Human, Maus, Ratte, Zebrafisch	IF : HepG2-Zellen,
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

Human meningioma-expressed antigen 5 (MGEA5) has two putative domains including protein O-GlcNAcase domain and histone acetyltransferase domain, therefore it is often called bifunctional protein NCOAT. Three isoforms of MGEA5 are produced by alternative splicing. MGEA5 was found to be regulated to reduce the state of glycosylation of transcriptional activators while increasing the acetylation of histones to allow for the concerted activation of eukaryotic gene transcription, for instance, acetylation of Lys8 of histone H4 and Lys 14 of histone H3 are resulted from acetyltransferase activity. In addition, single nucleotide polymorphism in MGEA5 is associated with type 2 diabetes in Mexican Americans. Two bands at 130kDa and 75 kDa could be detected using the present rabbit polyclonal antibody 14711-1-AP, which is consistent with results in a related reference (PubMed:11341771).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Tanjing Song	34551297	Cell Rep	WB
Xiao Han	31545463	Oncol Rep	
Alexis K Nagel	25187572	Mol Cell Proteomics	WB

Lagerung

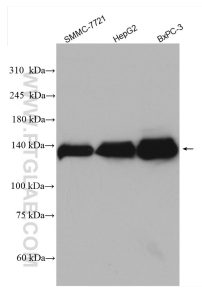
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

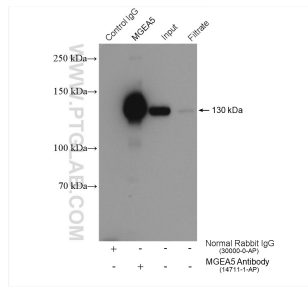
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

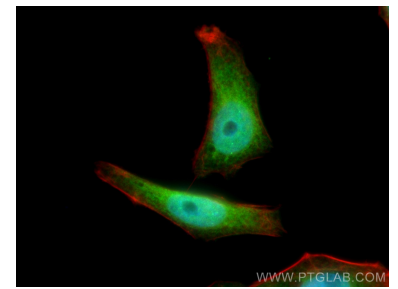
Ausgewählte Validierungsdaten



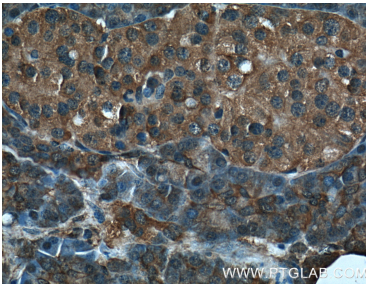
Various lysates were subjected to SDS PAGE followed by western blot with 14711-1-AP (MGEA5 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



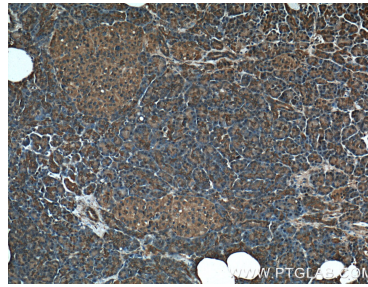
IP result of anti-MGEA5(IP:14711-1-AP, 4ug; Detection:14711-1-AP 1:2000) with HepG2 cells lysate 1880 ug.



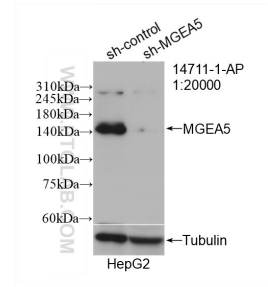
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MGEA5 antibody (14711-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 14711-1-AP (MGEA5 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 14711-1-AP (MGEA5 Antibody) at dilution of 1:200 (under 40x lens).



WB result of MGEA5 antibody (14711-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MGEA5 transfected HepG2 cells.