

Nur für Forschungszwecke

SMAD7 Polyklonaler Antikörper

Katalog-Nr.:25840-1-AP

Vorgestelltes Produkt

80 Publikationen



Allgemeine Informationen

Katalog-Nr.: 25840-1-AP	GenBank-Zugangsnummer: BC074819	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 800 µg/ml von Nanodrop;	GeneID (NCBI): 4092	Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: SMAD family member 7	
Isotyp: IgG	Berechnete Masse: 426 aa, 46 kDa	
Immunogen Katalognummer: AG13688	Beobachtete Masse: 50 kDa	

Anwendungen

Geprüfte Anwendungen:

IHC, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Positivkontrollen:

WB : Mauslebergewebe, HepG2-Zellen, L02-Zellen, Mauslungengewebe, Mausnierengewebe, Maus-Skelettmuskulgewebe

IHC : humanes Lebergewebe, humanes Leberzirrhosegewebe

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

Hintergrundinformationen

SMAD7, also named as Mothers against decapentaplegic homolog 7, is a 426 amino acid protein, which belongs to the dwarfin/SMAD family. SMAD7 Interaction with NEDD4L or RNF 111 induces translocation from the nucleus to the cytoplasm (PubMed:16601693). TGF-beta stimulates its translocation from the nucleus to the cytoplasm. PDPK1 inhibits its translocation from the nucleus to the cytoplasm in response to TGF-beta (PubMed:17327236). SMAD7 as antagonist of signaling by TGF-beta type 1 receptor superfamily members has been shown to inhibit TGF-beta and activin signaling by associating with their receptors thus preventing SMAD2 access. SMAD7 functions as an adapter to recruit SMURF2 to the TGF-beta receptor complex and also acts by recruiting the PPP1R15A-PP1 complex to TGFBR1, which promotes its dephosphorylation. SMAD7 positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Hongjuan Yao	36127339	Nat Commun	WB
Qian Zhang	30230565	J Cell Biochem	WB
Yongzhong Mao	34525946	J Physiol Sci	WB,CoIP

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

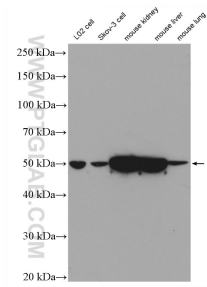
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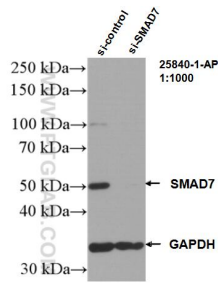
E: proteintech@ptglab.com
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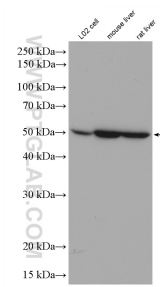
Ausgewählte Validierungsdaten



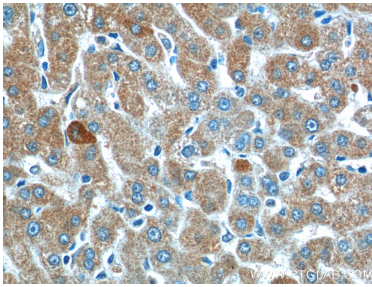
Various lysates were subjected to SDS PAGE followed by western blot with 25840-1-AP (SMAD7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



WB result of SMAD7 antibody (25840-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMAD7 transfected HepG2 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 25840-1-AP (SMAD7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25840-1-AP (SMAD7 Antibody) at dilution of 1:200 (under 40x lens).