À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-SMAD7

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:25840-1-AP Phare 85 Publications

Informations de base

Numéro de catalogue:
25840-1-AP

Taille:
150ul , Concentration: 800 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG13688

Numéro d'acquisition GenBank:
BC074819

Identification du gène (NCBI):
4092

Nom complet:
SMAD family member 7

MW calculé
426 aa, 46 kDa

MW observés:
45-55 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IHC 1:50-1:500

Applications

Applications testées:
IHC, WB, ELISA

Demandes citées:
CoIP, IF, IHC, IP, 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; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu hépatique de souris, cellules HepG2, cellules L02, tissu de muscle squelettique de souris, tissu pulmonaire de souris, tissu rénal de souris

IHC : tissu hépatique de souris,

Informations générales

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 RNF111 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.

Publications notables

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

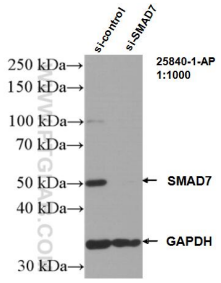
Stockage

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

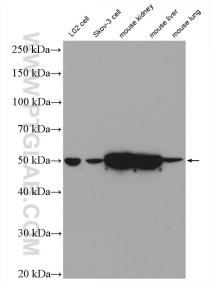
*** Les 20ul contiennent 0,1% de BSA.

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

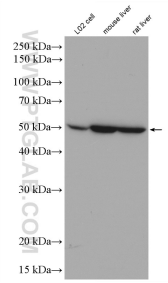
Données de validation sélectionnées



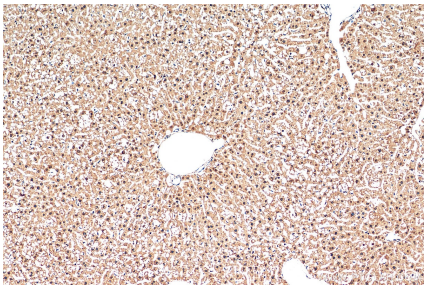
WB result of SMAD7 antibody (25840-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMAD7 transfected HepG2 cells.



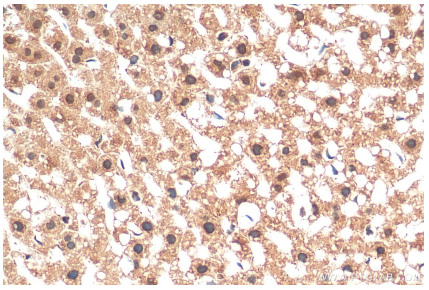
Various lysates were subjected to SDS PAGE followed by western blot with 25840-1-AP (SMAD7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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 mouse liver tissue slide using 25840-1-AP (SMAD7 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 25840-1-AP (SMAD7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).