À des fins de recherche uniquement

Anticorps Monoclonal anti-AXIN1

Numéro de catalogue:68093-1-Ig

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
68093-1-Ig

Taille:
150ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG10079

Numéro d'acquisition GenBank:
BC044648

Identification du gène (NCBI):
8312

Nom complet:
axin 1

MW calculé
826aa,92 kDa; 862aa,95 kDa

MW observés:
110-120 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
1C4E8

Dilutions recommandées:
WB 1:5000-1:50000
IF 1:200-1:800

Applications

Applications testées:
FC, IF, WB, ELISA

Spécificité de l'espèce:
Humain, rat, souris

Contrôles positifs:

WB : cellules A431, cellules HEK-293, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules MCF-7, cellules NIH/3T3

IF : cellules A431,

Informations générales

Axis inhibition protein1 (AXIN1), also called AXIN, together with AXIN2 are multidomain scaffold proteins that negatively regulate Wnt signaling. AXIN1 is likely to function as a tumor suppressor. Under UV irradiation, AXIN1-HIPK2-TP53 complex forms. The complex also controls cell growth, apoptosis and development. Like AXIN2, AXIN1 undergoes poly(ADP-ribosy)lation by tankyrase TNKS and TNKS2 followed by unbiquitination by RNF146 which leads to its degradation and subsequent activation of Wnt signaling. Its deubiquitination by USP34 is important for nuclear accumulation during Wnt signaling. Recent researches find that CircAXIN1 encodes a novel protein, AXIN1-295aa, which shows at around 40-55 kDa by Western Blot. AXIN1-295aa functions as an oncogenic protein, activating the Wnt signaling pathway to promote GC tumorigenesis and progression, suggesting a potential therapeutic target for GC.

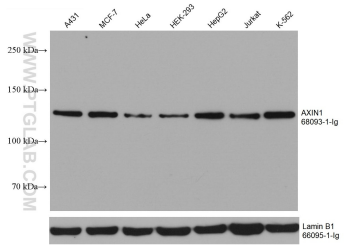
Stockage

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

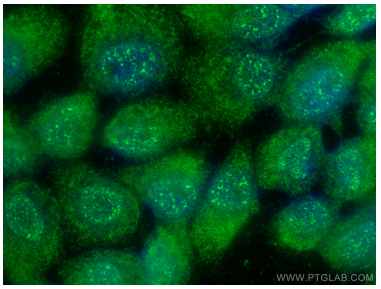
***** Les 20ul contiennent 0,1% de BSA.**

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

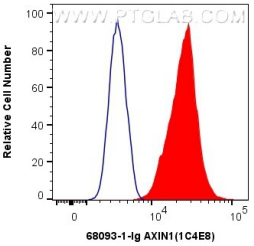
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 68093-1-Ig (AXIN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Lamin B1 Monoclonal antibody (66095-1-Ig) as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using AXIN1 antibody (68093-1-Ig, Clone: 1C4E8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 A431 cells were intracellularly stained with 0.4 ug Anti-Human AXIN1 (68093-1-Ig, Clone:1C4E8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).