À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ZFYVE16

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Numéro de catalogue:13118-2-AP Phare 4 Publications

Informations de base

Numéro de catalogue:
13118-2-AP

Taille:
150ul , Concentration: 1000 μg/ml by Nanodrop and 620 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG3811

Numéro d'acquisition GenBank:
BC032227

Identification du gène (NCBI):
9765

Nom complet:
zinc finger, FYVE domain containing 16

MW calculé
1539 aa, 169 kDa

MW observés:
230-250 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:5000-1:50000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, poisson-zèbre

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 : cellules HEK-293, cellules HeLa, tissu placentaire humain, tissu rénal de souris

IP : cellules HeLa,

IHC : tissu rénal humain, tissu cardiaque humain, tissu placentaire humain

IF : cellules HeLa,

Informations générales

Endofin (also known as ZFYVE16) is an endosomal FYVE domain protein implicated in regulating membrane trafficking. Endofin has been shown to localize to early endosomes. It co-localizes with SARA but does not associate with it or Smad2 and does not behave like SARA in affecting TGF-signaling. Northern blot analysis showed ZFYVE16 was widely expressed with high levels in kidney, placenta and lung. Overexpression of Endofin causes endosome aggregation. The gene of ZFYVE16 maps to chromosome 5q14, and encodes a 1539-amino acid protein with a molecular mass of 169 kDa. In addition, endogenous Endofin can also be detected as a band of 230-250 kDa. (PMID: 11546807)

Publications notables

Autrice	Pubmed ID	Journal	Application
Jalal M Kazan	34761192	iScience	WB
Deepankar Gahloth	28602823	Structure	WB
Francesca Oltrabella	25838181	PLoS Genet	IF

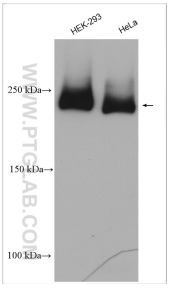
Stockage

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.

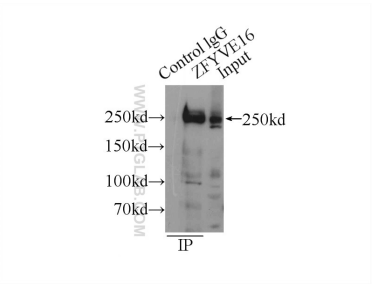
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Données de validation sélectionnées

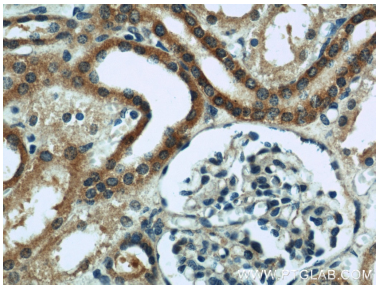


Various lysates were subjected to SDS PAGE followed by western blot with 13118-2-AP (ZFYVE16 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

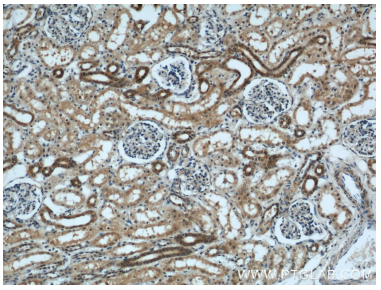
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ZFYVE16 antibody (13118-2-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). CL594-Phalloidin (red). DAPI (blue)



IP Result of anti-ZFYVE16 (IP:13118-2-AP, 5ug; Detection:13118-2-AP 1:500) with HeLa cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human kidney using 13118-2-AP (ZFYVE16 antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 13118-2-AP (ZFYVE16 antibody) at dilution of 1:200 (under 10x lens).