

À des fins de recherche uniquement

Anticorps Monoclonal anti-ATG13

Numéro de catalogue: 66708-1-Ig **1 Publications**



Informations de base

Numéro de catalogue: 66708-1-Ig	Numéro d'acquisition GenBank: BC001331	Méthode de purification: Purification par protéine G
Taille: 150ul , Concentration: 1800 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 9776	CloneNo.: 1C3A7
Hôte: Mouse	Nom complet: KIAA0652	Dilutions recommandées: WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG1	MW calculé: 57 kDa	
Immunogen Catalog Number: AG12968	MW observés: 57 kDa	

Applications

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

Demandes citées:
WB

Spécificité de l'espèce:
Humain, porc, rat, souris

Espèces citées:
souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HEK-293, cellules BGC-823, cellules HeLa, cellules Jurkat, cellules NIH/3T3, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris

IHC : tissu testiculaire de souris, tissu cérébral de souris

IF : cellules HEK-293,

Informations générales

ATG13 is one component protein of the ULK1 complex which is required for autophagosome formation and mitophagy. ATG13 has two nutrient regulatory phosphorylation sites and the phosphorylation status of ATG13 affect regulation of autophagy by modulating enzyme activity and cellular localization of ULK1. Besides, it has been reported the nonautophagic function of ATG13 on cardiac development for ATG13-deficient embryos show myocardial growth defects.(PMID:27387056, 26801615, 26644405)

Publications notables

Autrice	Pubmed ID	Journal	Application
Hongchang Li	36198274	Cell Rep	WB

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.

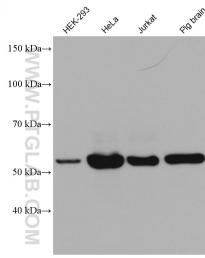
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

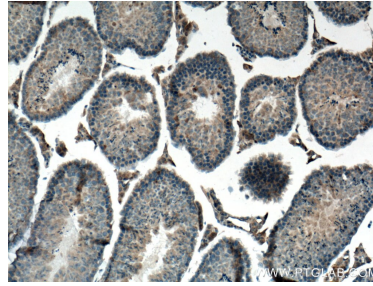
E: proteintech@ptglab.com
W: ptglab.com

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

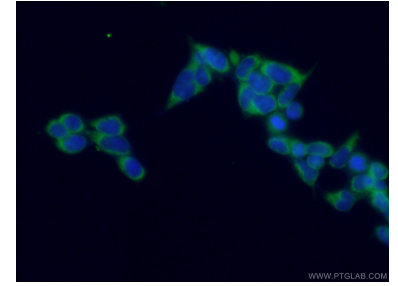
Données de validation sélectionnées



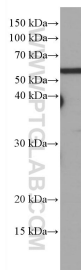
Various lysates were subjected to SDS PAGE followed by western blot with 66708-1-Ig (ATG13 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



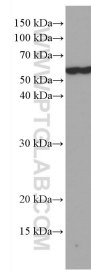
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66708-1-Ig (KIAA0652 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



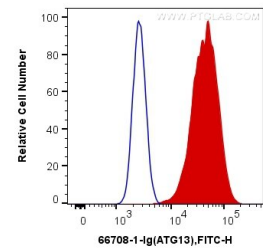
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 66708-1-Ig (KIAA0652 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



BGC-823 cells were subjected to SDS PAGE followed by western blot with 66708-1-Ig (KIAA0652 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 66708-1-Ig (KIAA0652 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human ATG13 (66708-1-Ig, Clone:1C3A7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).