

À des fins de recherche uniquement

Anticorps Monoclonal anti-OPA1

Numéro de catalogue: 66583-1-Ig

Phare

10 Publications



Informations de base

Numéro de catalogue: 66583-1-Ig	Numéro d'acquisition GenBank: BC075805	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 4976	CloneNo.: 1B2D8
Hôte: Mouse	Nom complet: optic atrophy 1 (autosomal dominant)	Dilutions recommandées: WB 1:500-1:2000 IHC 1:400-1:1600
Isotype: IgG2b	MW calculé: 960 aa, 112 kDa	
Immunogen Catalog Number: AG26868	MW observés: 100 kDa and 80-90 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain, porc, rat, souris

Espèces citées:

Humain, rat, souris, fish

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 HeLa, cellules HepG2, cellules Y79, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris

IHC : tissu cérébral de souris,

Informations générales

OPA1 is a nuclear-encoded mitochondrial protein with similarity to dynamin-related GTPases. OPA1 localizes to the inner mitochondrial membrane and helps regulate mitochondrial stability and energy output. This protein also sequesters cytochrome c. OPA1 is associated with the inner membrane and protects cells from apoptosis by regulating inner membrane dynamics. Mutation of OPA1 causes the disease dominant optic atrophy, a degeneration of the retinal ganglion cells. OPA1 undergoes complex posttranscriptional regulation and posttranslational proteolysis. OPA1 is regulated by proteolytic cleavage, which degrades long OPA1 isoforms into short isoforms. The gene OPA1 can be cleaved into some chains with MW 100 kDa and 80-90 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Xiao-Lin Jiang	36309912	Aging (Albany NY)	WB
Jia Xu	36269134	Acta Biochim Biophys Sin (Shanghai)	WB
Xiaowei Xiong	36283451	Eur J Pharmacol	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.

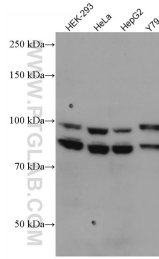
For technical support and original validation data for this product please contact:

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

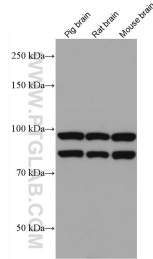
E: proteintech@ptglab.com
W: ptglab.com

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

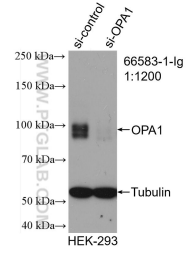
Données de validation sélectionnées



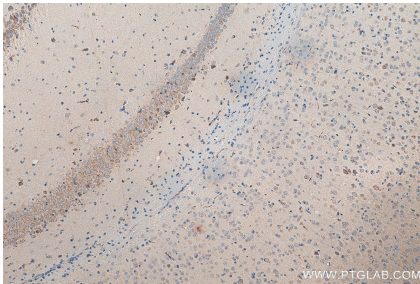
Various lysates were subjected to SDS PAGE followed by western blot with 66583-1-Ig (OPA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



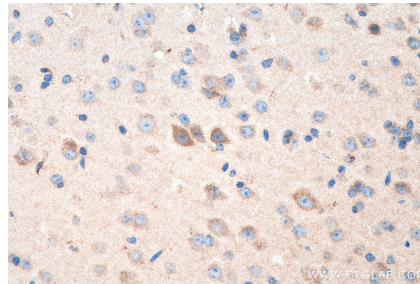
Various lysates were subjected to SDS PAGE followed by western blot with 66583-1-Ig (OPA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of OPA1 antibody (66583-1-Ig; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-OPA1 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66583-1-Ig (OPA1 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66583-1-Ig (OPA1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).