

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-OPA1



Numéro de catalogue: 27733-1-AP

Phare

92 Publications

Informations de base

Numéro de catalogue:

27733-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG26887

Numéro d'acquisition GenBank:

BC075805

Identification du gène (NCBI):

4976

Nom complet:

optic atrophy 1 (autosomal dominant)

MW calculé

960 aa, 112 kDa

MW observés:

100 kDa, 80-90 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

Applications

Applications testées:

IHC, IP, WB, ELISA

Demandes citées:

CoIP, IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

bovin, Chèvre, Humain, poisson-zèbre, porc, poulet, rat, souris, Hamster

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 A431, cellules HEK-293, cellules HEK-293T, cellules HeLa, cellules HepG2, tissu cérébral de rat, tissu cérébral de souris

IP : tissu cérébral de souris,

IHC : tissu cardiaque de souris, 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 |
|---------------------|-----------|---------------|-------------|
| Rocío García-Arroyo | 36232896 | Int J Mol Sci | WB |
| Q E Xie | 34571250 | Mitochondrion | WB |
| Siwen Li | 28957766 | Chemosphere | 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.

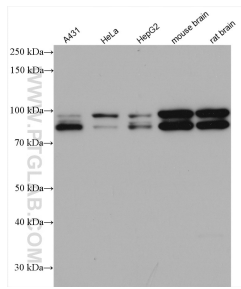
For technical support and original validation data for this product please contact:

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

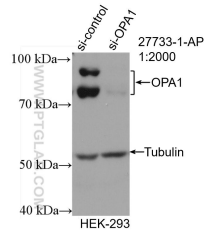
E: proteintech@ptglab.com
W: ptglab.com

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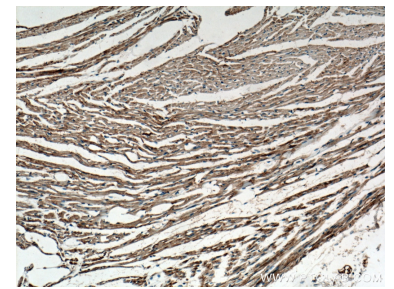
Données de validation sélectionnées



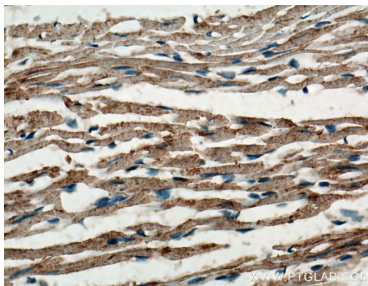
Various lysates were subjected to SDS PAGE followed by western blot with 27733-1-AP (OPA1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



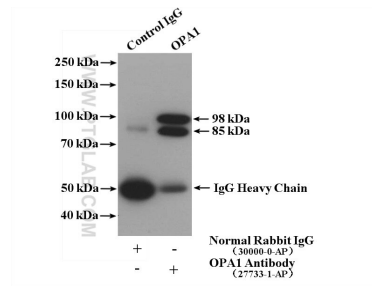
WB result of OPA1 antibody (27733-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-OPA1 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 27733-1-AP (OPA1 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 heart tissue slide using 27733-1-AP (OPA1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-OPA1 (IP:27733-1-AP, 4ug; Detection:27733-1-AP 1:1000) with mouse brain tissue lysate 4000 ug.