

Nur für Forschungszwecke

OPA1 Monoklonaler Antikörper

Katalog-Nr.:66583-1-Ig

Vorgestelltes Produkt

10 Publikationen



Allgemeine Informationen

| | | |
|---|--|--|
| Katalog-Nr.: 66583-1-Ig | GenBank-Zugangsnummer: BC075805 | Reinigungsmethode: Protein-A-Reinigung |
| Größe: 150ul, Konzentration: 2100 µg/ml von4976 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard; | GeneID (NCBI): 4976 | CloneNo.: 1B2D8 |
| Wirt: Maus | Vollständiger Name: optic atrophy 1 (autosomal dominant) | Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:400-1:1600 |
| Isotyp: IgG2b | Berechnete Masse: 960 aa, 112 kDa | |
| Immunogen Katalognummer: AG26868 | Beobachtete Masse: 100 kDa and 80-90 kDa | |

Anwendungen

| | |
|---|---|
| Geprüfte Anwendungen: IHC, WB, ELISA | Positivkontrollen: WB : HEK-293-Zellen, Hausschwein-Hirngewebe, HeLa-Zellen, HepG2-Zellen, Maushirngewebe, Rattenhirngewebe, Y79-Zellen |
| In Publikationen genannte Anwendungen: WB | IHC : Maushirngewebe, |
| Getestete Reaktivität: Hausschwein, Human, Maus, Ratte | |
| Zitierte Arten: Fisch, Human, Maus, Ratte | |
| Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen. | |

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

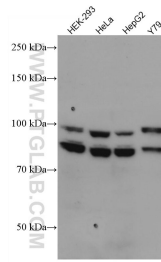
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

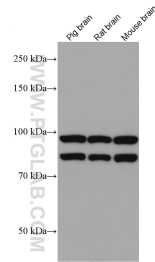
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

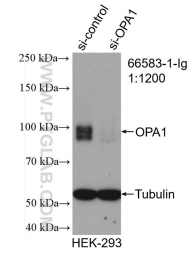
Ausgewählte Validierungsdaten



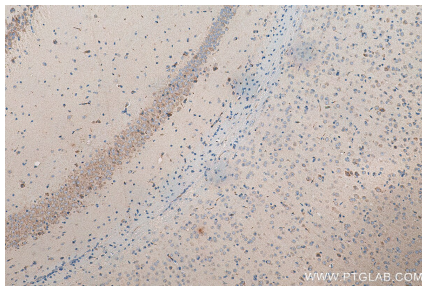
Various lysates were subjected to SDS PAGE followed by western blot with 66583-1-Ig (OPA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



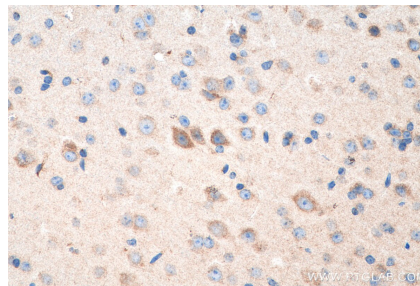
Various lysates were subjected to SDS PAGE followed by western blot with 66583-1-Ig (OPA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).