

Nur für Forschungszwecke

ATG13 Monoklonaler Antikörper

Katalog-Nr.:66708-1-Ig **1 Publikationen**



Allgemeine Informationen

| | | |
|--|---|--|
| Katalog-Nr.: 66708-1-Ig | GenBank-Zugangsnummer: BC001331 | Reinigungsmethode: Protein-G-Reinigung |
| Größe: 150ul , Konzentration: 1800 µg/ml von9776 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard; | GeneID (NCBI): von9776 | CloneNo.: 1C3A7 |
| Wirt: Maus | Vollständiger Name: KIAA0652 | Empfohlene Verdünnungen: WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:50-1:500 |
| Isotyp: IgG1 | Berechnete Masse: 57 kDa | |
| Immunogen Katalognummer: AG12968 | Beobachtete Masse: 57 kDa | |

Anwendungen

| | |
|---|--|
| Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA | Positivkontrollen: |
| In Publikationen genannte Anwendungen: WB | WB : HEK-293-Zellen, BGC-823-Zellen, Hausschwein-Hirngewebe, HeLa-Zellen, Jurkat-Zellen, Maushirngewebe, NIH/3T3-Zellen, Rattenhirngewebe |
| Getestete Reaktivität: Hausschwein, Human, Maus, Ratte | IHC : Maushodengewebe, Maushirngewebe |
| Zitierte Arten: Maus | IF : HEK-293-Zellen, |
| Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen. | |

Hintergrundinformationen

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)

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|--------------|-----------|----------|-----------|
| Hongchang Li | 36198274 | Cell Rep | WB |

Lagerung

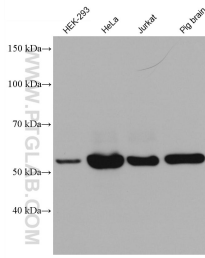
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

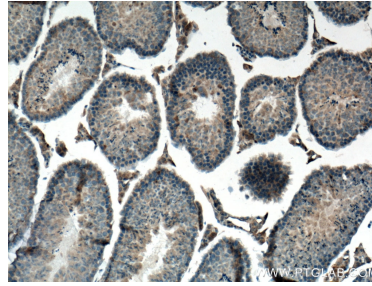
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

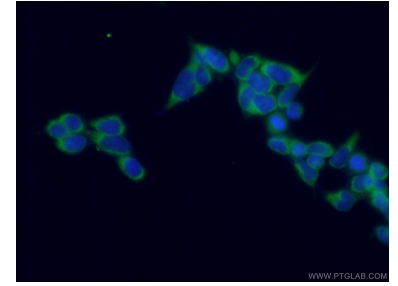
Ausgewählte Validierungsdaten



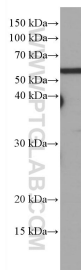
Various lysates were subjected to SDS PAGE followed by western blot with 66708-1-Ig (ATG13 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



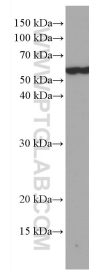
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66708-1-Ig (KIAA0652 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



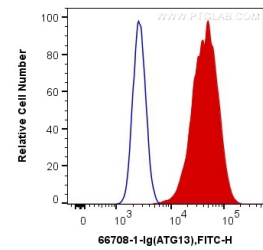
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 66708-1-Ig (KIAA0652 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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).