Nur für Forschungszwecke

AP3B1 Polyklonaler Antikörper

Katalog-Nr.:13384-1-AP Vorgestelltes Produkt 14 Publikationen

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Allgemeine Informationen

Katalog-Nr.:
13384-1-AP

Größe:
150ul , Konzentration: 600 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG4225

GenBank-Zugangsnummer:
BC038444

GeneID (NCBI):
8546

Vollständiger Name:
adaptor-related protein complex 3, beta 1 subunit

Berechneté Masse:
1094 aa, 121 kDa

Beobachteté Masse:
140 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:3000
IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
IHC 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : A431-Zellen, COLO 320-Zellen, HeLa-Zellen, HepG2-Zellen, Maus-Thymusgewebe, SKOV-3-Zellen

IP : COLO 320-Zellen,

IHC : Rattenhirngewebe,

Hintergrundinformationen

AP3B1 is the 140-kDa β3A subunit of the adaptor-related protein complex-3 (AP-3), a ubiquitous heterotetrameric complex that is localized to the trans-Golgi network and endosomes and is involved in protein trafficking to lysosomes or specialized endosomal-lysosomal organelles (PMID: 9182526; 9545220). This complex is composed of two larger subunits (δ and β3A or β3B), a medium subunit (μ3A or μ3B), and a small subunit (σ3A or σ3B). The absence of the β3A subunit (AP3B1) results in the loss of stability of AP3 and leads to degradation of μ3A, to which β3A is directly bound, while the other subunits are variably affected (PMID: 16507770). AP3B1 contains three main domains: the N-terminal head domain, the hinge, and the C-terminal ear domain. It has been reported as a target of IP(7)-mediated pyrophosphorylation (PMID: 19934039). Defects in AP3B1 are the cause of Hermansky-Pudlak syndrome type 2 (HPS2) (PMID: 10024875; 16507770).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Weina Sun	25210190	J Virol	WB,IF
Joshi Stephen	28296950	PLoS One	WB
Maria B Bagh	28266544	Nat Commun	WB

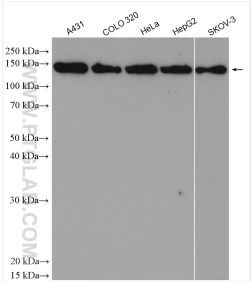
Lagerung

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

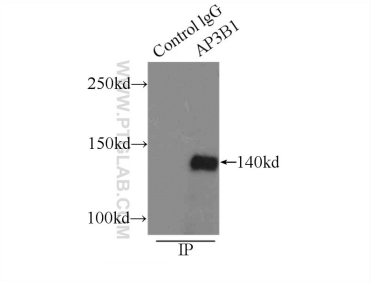
*** 20ul-Größen enthalten 0.1% BSA

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

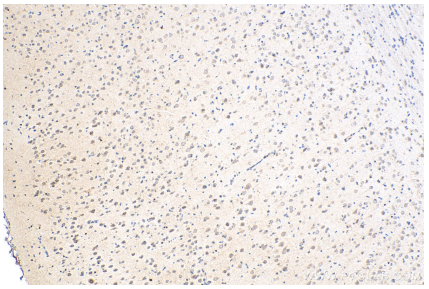
Ausgewählte Validierungsdaten



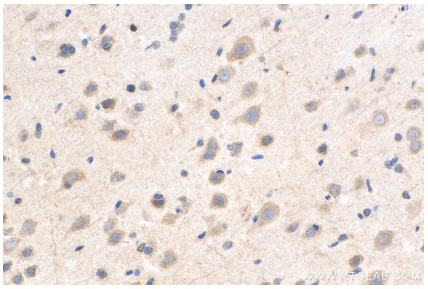
Various lysates were subjected to SDS PAGE followed by western blot with 13384-1-AP (AP3B1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP Result of anti-AP3B1 (IP:13384-1-AP, 3ug; Detection:13384-1-AP 1:500) with COLO 320 cells lysate 2500ug.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 13384-1-AP (AP3B1 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 rat brain tissue slide using 13384-1-AP (AP3B1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).