Nur für Forschungszwecke

APP/Beta Amyloid Polyklonaler Antikörper

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Katalog-Nr.:25524-1-AP 48 Publikationen

Allgemeine Informationen

Katalog-Nr.:
25524-1-AP

Größe:
150ul , Konzentration: 550 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG22408

GenBank-Zugangsnummer:
BC065529

GeneID (NCBI):
351

Vollständiger Name:
amyloid beta (A4) precursor protein

Beobachteté Masse:
100 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:2000
IHC 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
IHC, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte

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

Positivkontrollen:

WB : SH-SY5Y-Zellen, C6-Zellen, HeLa-Zellen, Maushirngewebe, Rattenhirngewebe

IHC : humanes Gliomgewebe, humanes Hirngewebe

Hintergrundinformationen

Aβ derives from APP via proteolytic cleavage by proteases called α-, β- and γ -secretase. The α-secretase cleavage precludes the formation of Aβ, while the β- and γ -cleavages generate APP components with amyloidogenic features. Amyloid beta A4 precursor protein(APP), encoded by APP gene which locate on human chromosome 21q, is a cell surface receptor and performs physiological functions on the surface of neurons relevant to neurite growth, neuronal adhesion and axonogenesis. APP expressed in all fetal tissues and is pronounced in brain, kidney, heart and spleen, but weak in liver. Defects in APP are the cause of Alzheimer disease type 1 (AD1). Amyloid β (Aβ) precursor protein (APP) is a 100-140 kDa transmembrane glycoprotein that exists as several isoforms. This antibody can recognize several isoforms of both mature and immature amyloid beta (A4) precursor protein, including APP770, APP677, APP695, APP696, APP733, APP751, APP752, and APP639. APP can be cleaved into several chains, this antibody could recognize fragments C99, Amyloid-beta protein 42, Amyloid-beta protein 40, C83, P3(40), C80, Gamma-secretase C-terminal fragment 59, Gamma-secretase C-terminal fragment 57, Gamma-secretase C-terminal fragment 50, C31.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shenya Xu	33183805	Sci Total Environ	WB, IHC
Zhongkang Zhu	34695452	Neurosci Lett	IHC,IF
Jie Ai	33131696	Free Radic Biol Med	WB

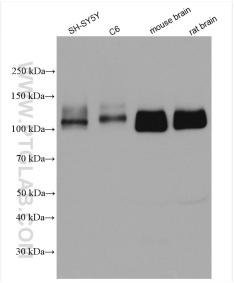
Lagerung

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

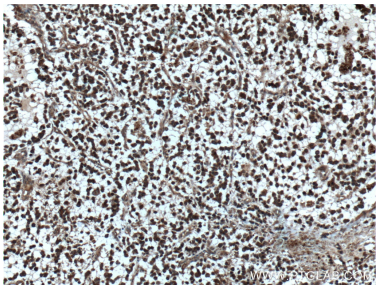
*** 20ul-Größen enthalten 0.1% BSA

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

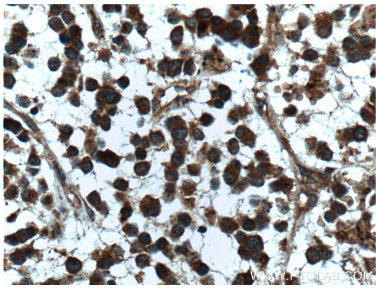
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 25524-1-AP (APP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 25524-1-AP (APP, C-Terminal 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 human gliomas tissue slide using 25524-1-AP (APP, C-Terminal antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).