

DOCK3; MOCA Polyklonaler Antikörper

Katalog-Nr.: 20683-1-AP

2 Publikationen

Allgemeine Informationen

Katalog-Nr.:

20683-1-AP

Größe:

150ul, Konzentration: 900 µg/ml von Nanodrop und 487 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

GenBank-Zugangsnummer:

NM_004947

GeneID (NCBI):

1795

Vollständiger Name:

dedicator of cytokinesis 3

Berechnete Masse:

233 kDa

Beobachtete Masse:

233 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:

WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Human, Maus

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

Positivkontrollen:

WB : humanes Hirngewebe, SH-SY5Y-Zellen

IHC : Maushirngewebe,

Hintergrundinformationen

Dedicator of cytokinesis 3 (DOCK3), also named as MOCA and PBP, is a ~180 kDa protein involved in signaling transduction. It is a potential guanine nucleotide exchange factor (GEF) which activate some small GTPases by exchanging bound GDP for free GTP. DOCK3 is associated in Alzheimer disease tangles and regulates the accumulation of amyloid precursor protein and beta-amyloid. Overexpression of Dock3 in neural cells promotes axonal outgrowth downstream of brain-derived neurotrophic factor (BDNF) signaling. DOCK3 binds to and inactivates glycogen synthase kinase-3β (GSK-3β) at the plasma membrane, thereby promoting axon branching and microtubule assembly. By stimulating actin polymerization and microtubule assembly, DOCK3 plays important roles downstream of BDNF signaling in the CNS.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Hua Qu	33627322	Diabetes	WB
Xingli Zhu	25687035	Int J Biochem Cell Biol	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**

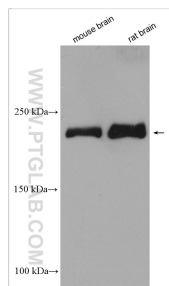
For technical support and original validation data for this product please contact:

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

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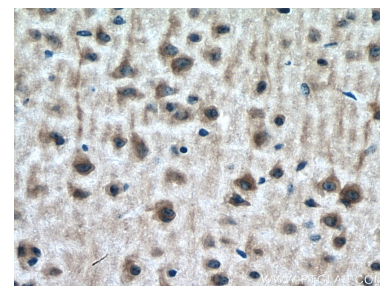
Ausgewählte Validierungsdaten



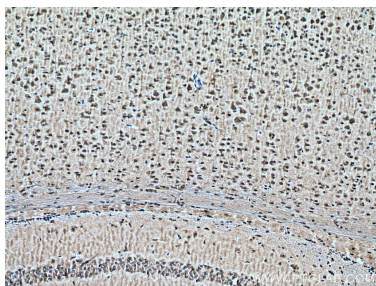
Various lysates were subjected to SDS PAGE followed by western blot with 20683-1-AP (DOCK3; MOCA antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



human brain tissue were subjected to SDS PAGE followed by western blot with 20683-1-AP (DOCK3; MOCA antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20683-1-AP (DOCK3; MOCA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20683-1-AP (DOCK3; MOCA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).