

Nur für Forschungszwecke

Synaptotagmin-1 Monoklonaler Antikörper

Katalog-Nr.:68043-1-Ig



Allgemeine Informationen

Katalog-Nr.: 68043-1-Ig	GenBank-Zugangsnummer: BC058917	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 6857	CloneNo.: 1H1H2
Wirt: Maus	Vollständiger Name: synaptotagmin I	Empfohlene Verdünnungen: WB 1:20000-1:100000 IHC 1:2500-1:10000
Isotyp: IgG1	Berechnete Masse: 48 kDa	
Immunogen Katalognummer: AG6071	Beobachtete Masse: 60-65 kDa	

Anwendungen

Geprüfte Anwendungen:

IHC, WB, ELISA

Getestete Reaktivität:

Hausschwein, Huhn, Human, Kaninchen, 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: Hausschwein-Hirngewebe, Hühnerhirngewebe, Kaninchen-Cerebellum-Gewebe, Kaninchenhirngewebe, Maus-Cerebellum-Gewebe, Maushirngewebe, Ratten-Cerebellum-Gewebe, Rattenhirngewebe

IHC: Maushirngewebe, Maus-Cerebellum-Gewebe

Hintergrundinformationen

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis (PMID: 8058779). SYT1 (synaptotagmin I) was firstly identified as a 65-kDa protein with a wide distribution in neuronal and neurosecretory tissue (PMID: 7298720). Calcium binding to SYT1 participates in triggering neurotransmitter release at the synapse (PMID: 11242035). In addition to regulating exocytosis, SYT1 has also been implicated in endocytosis and neurite outgrowth (PMID: 15492212; 11078930; 10336114).

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern.

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**

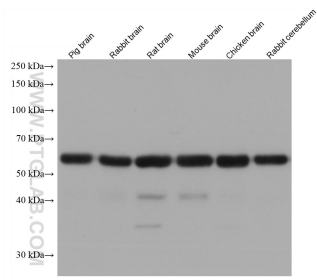
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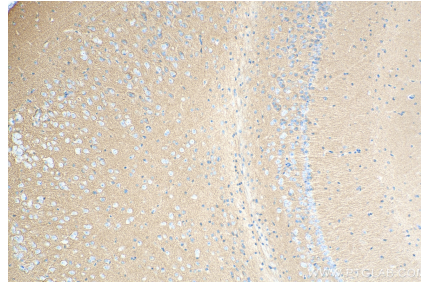
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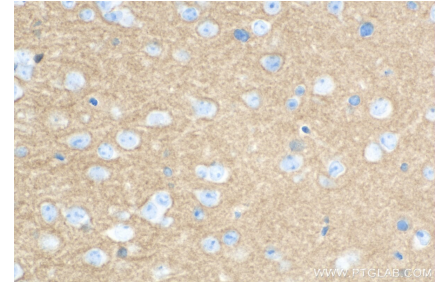
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 68043-1-Ig (Synaptotagmin-1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68043-1-Ig (Synaptotagmin-1 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68043-1-Ig (Synaptotagmin-1 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).