Nur für Forschungszwecke

DRD1 Polyklonaler Antikörper

Katalog-Nr.:17934-1-AP Vorgestelltes Produkt 12 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
17934-1-AP

Größe:
150ul , Konzentration: 800 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG12366

GenBank-Zugangsnummer:
BC074978

GeneID (NCBI):
1812

Vollständiger Name:
dopamine receptor D1

Berechneté Masse:
446 aa, 49 kDa

Beobachteté Masse:
50-75 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

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

Anwendungen

Geprüfte Anwendungen:
IF, 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 : bei 37°C inkubiertes Maushirngewebe,

IHC : Maushirngewebe, Rattenhirngewebe

IF : Maushirngewebe,

Hintergrundinformationen

Dopamine is a neurotransmitter that plays a crucial role in physical and mental health, such as cardiovascular, hormonal, renal and central nervous systems (PMID: 29220802). Five subtypes of mammalian dopamine receptors are grouped into two classes, the D1- and D2-like classes. The D1-like class includes D1 and D5 receptors whereas the D2-like class includes D2, D3, D4 subtypes (PMID: 9457173). Dopamine receptor D1 (DRD1) is the most abundant form of dopamine receptor in the central nervous system. DRD1 stimulates adenylate cyclase, modulates D2 receptor activity, regulates neuron growth and differentiation, and mediates several behavioral responses (PMID: 1977312). DRD1 has a calculated molecular weight of 49 kDa, larger apparent molecular weight of 60-80 kDa may be due to glycosylation (PMID: 1281547; 23821371).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Soheil Kazemi Roodsari	35625897	Biomedicines	WB
Kyungri Kim	33801790	Genes (Basel)	WB
Yiqing Yan	25594175	Cell	WB

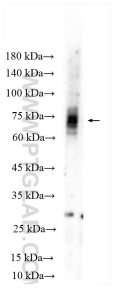
Lagerung

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

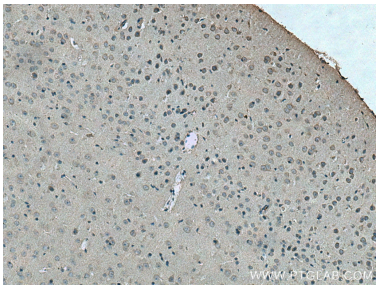
*** 20ul-Größen enthalten 0.1% BSA

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

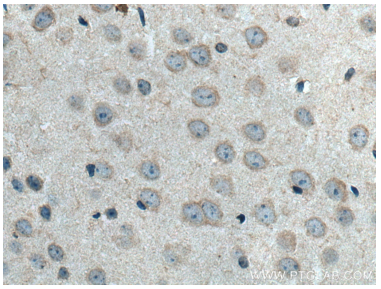
Ausgewählte Validierungsdaten



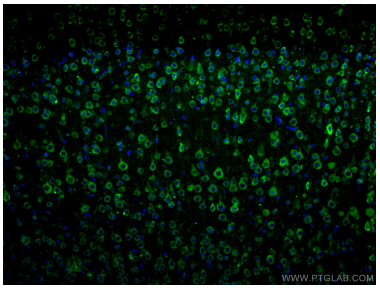
37°C incubated mouse brain tissue were subjected to SDS PAGE followed by western blot with 17934-1-AP (DRD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



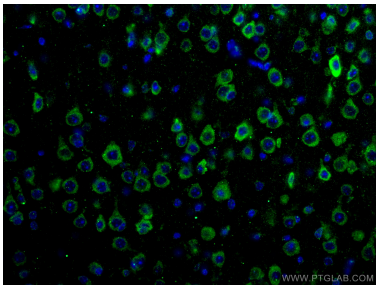
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17934-1-AP (DRD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17934-1-AP (DRD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using DRD1 antibody (17934-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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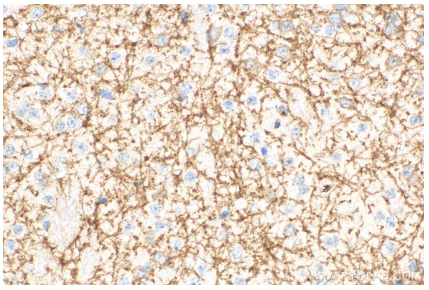

Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17934-1-AP (DRD1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).