

Allgemeine Informationen

Katalog-Nr.: 13129-1-AP	GenBank-Zugangsnummer: BC031835	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 600 µg/ml von Nanodrop;	GeneID (NCBI): 4915	Empfohlene Verdünnungen: WB 1:1000-1:6000 IP 0.5-4.0 ug für IP und 1:200-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: neurotrophic tyrosine kinase, receptor, type 2	IHC 1:300-1:1200 IF 1:10-1:100
Isotyp: IgG	Berechnete Masse: 822 aa, 92 kDa	
Immunogen Katalognummer: AG3790	Beobachtete Masse: 90-95 kDa, 140-145 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, WB

Getestete Reaktivität:

Hausschwein, Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte, Zebrafisch

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

Positivkontrollen:

WB: Maushirngewebe, Hausschwein-Cerebellum-Gewebe, humanes Cerebellum-Gewebe, humanes Magengewebe, Maus-Cerebellum-Gewebe, Maus-Rückenmarkgewebe, Rattenhirngewebe

IP: Maus-Cerebellum-Gewebe,

IHC: Maushirngewebe, Maus-Cerebellum-Gewebe

IF: SH-SY5Y-Zellen,

Hintergrundinformationen

Tropomyosin-related kinase B (TrkB) is a member of the neurotrophic tyrosine receptor kinase (NTRK) family. It is a single-pass type 1 membrane protein consisting of three domains: an extracellular ligand binding domain, a transmembrane domain and an intracellular tyrosine kinase domain. TrkB is primarily expressed in the central and peripheral nervous systems. TrkB plays an important role in neural development and maintenance through regulating neuronal differentiation, proliferation, survival, migration, neurogenesis, and plasticity. This antibody raised against 41-433aa of human TrkB recognizes full length form (140-145 kDa) and truncated form (90-95 kDa) of TrkB (PMID: 23526925; 21039416).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Meng Jin	30195910	Fish Shellfish Immunol	WB
Chunling Yuan	30389579	Biochim Biophys Acta Mol Basis Dis	WB
Katherine Aby	34678261	Life Sci	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**

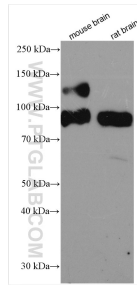
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

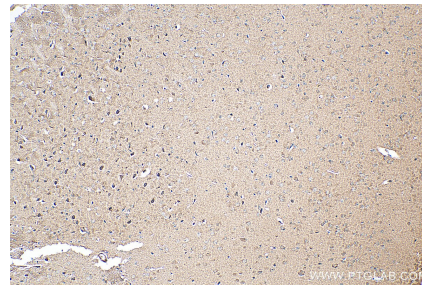
E: proteintech@ptglab.com
W: ptglab.com

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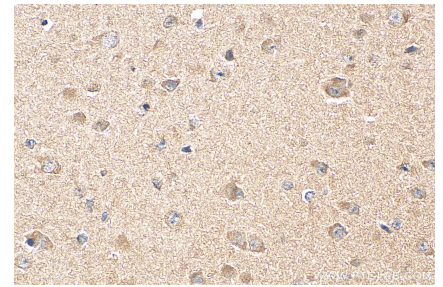
Ausgewählte Validierungsdaten



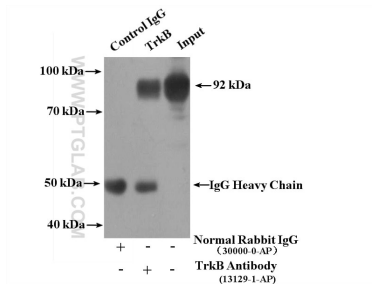
Various lysates were subjected to SDS PAGE followed by western blot with 13129-1-AP (TrkB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



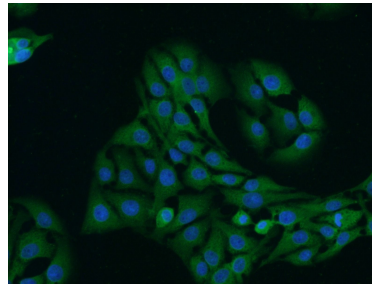
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13129-1-AP (TrkB antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13129-1-AP (TrkB antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-TrkB (IP:13129-1-AP, 4ug; Detection:13129-1-AP 1:300) with mouse cerebellum tissue lysate 4000ug.



Immunofluorescent analysis of SH-SY5Y cells using 13129-1-AP (TrkB antibody) at dilution of 1:25 and Coralite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).