

Allgemeine Informationen

Katalog-Nr.: 29415-1-AP	GenBank-Zugangsnummer: NM_002850	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 800 µg/ml von Nanodrop;	GeneID (NCBI): 5802	Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: protein tyrosine phosphatase, receptor type, S	
Isotyp: IgG	Berechnete Masse: 217 kDa	
Immunogen Katalognummer: AG30152	Beobachtete Masse: 140 kDa	

Anwendungen

Geprüfte Anwendungen: IHC, WB, ELISA	Positivkontrollen:
Getestete Reaktivität: Human, Maus	WB : A549-Zellen, HEK-293-Zellen, HeLa-Zellen IHC : Maushirngewebe,

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

Hintergrundinformationen

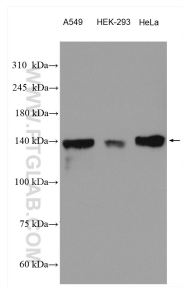
PTPRS, also known as R-PTP-sigma or PTPσ, is a member of the protein tyrosine phosphatase (PTP) family (PMID: 8524829). PTPs dephosphorylate phosphotyrosyl residues in proteins that are phosphorylated by protein-tyrosine kinases (PTKs) (PMID: 20838449). PTPs are essential regulators of signal transduction pathways and play important roles in regulating many cellular processes in conjunction with PTKs (PMID: 7834742). PTPRS contains an extracellular region, a single transmembrane segment and two tandem intracellular catalytic domains, and thus represents a receptor-type PTP. Full-length PTPRS is 217 kDa and has been reported to be proteolytically cleaved into a 140-kDa N-terminal subunit containing extracellular and transmembrane domains and a C-terminal subunit (PMID: 29915291). This antibody raised against 825-1000 aa of human PTPRS detects endogenous PTPRS with an apparent molecular weight of 140 kDa.

Lagerung

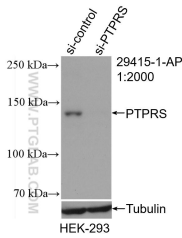
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

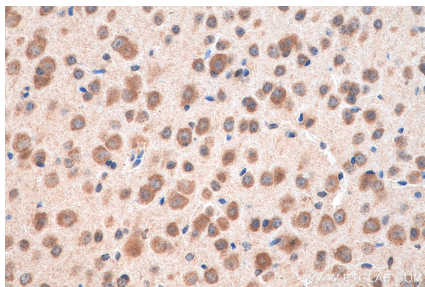
Ausgewählte Validierungsdaten



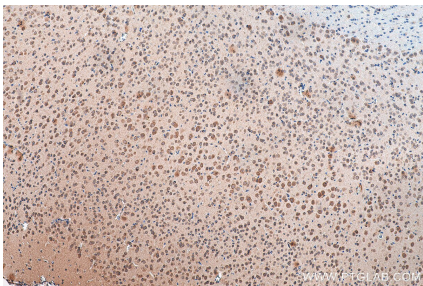
Various lysates were subjected to SDS PAGE followed by western blot with 29415-1-AP (PTPRS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of PTPRS antibody (29415-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PTPRS transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29415-1-AP (PTPRS 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 29415-1-AP (PTPRS antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).