

PTPN20 Rabbit pAb

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Catalog # AP58202

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q4JDL3
Reactivity	Rat, Mouse
Predicted	Pig, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48423
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PTPN20
Epitope Specificity	261-360/420
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Nucleus. Cytoplasm. Cytoplasm > cytoskeleton > centrosome. Colocalizes with the microtubule-organizing center and intracellular membrane compartments.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The product of this gene belongs to the family of classical tyrosine-specific protein tyrosine phosphatases. Many protein tyrosine phosphatases have been shown to regulate fundamental cellular processes. The encoded protein appears to be targeted to sites of actin polymerization. A pseudogene of this gene has been defined on chromosome 10. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]

Additional Information

Gene ID	26095
Other Names	Tyrosine-protein phosphatase non-receptor type 20, hPTPN20, 3.1.3.48, PTPN20 (HGNC:23423)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

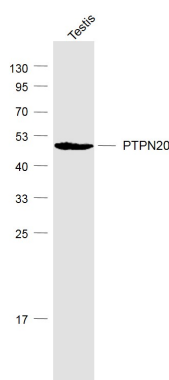
Protein Information

Name	PTPN20 (HGNC:23423)
Function	Tyrosine-protein phosphatase targeted to sites of actin polymerization in response of varied extracellular stimuli. Has tyrosine phosphatase activity towards various tyrosyl phosphorylated substrates.
Cellular Location	Nucleus. Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Colocalizes with the microtubule-organizing center and intracellular membrane compartments
Tissue Location	Present in many cell lines (at protein level). Widely expressed.

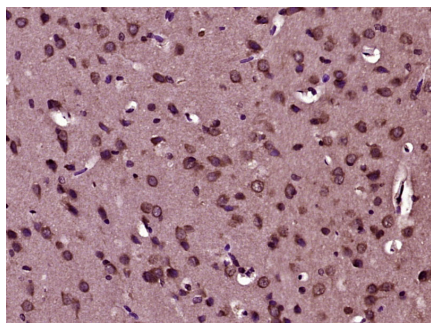
Background

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Images



Sample:
 Testis (Mouse) Lysate at 40 ug
 Primary: Anti-PTPN20 (AP58202) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 48 kD
 Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain);
 Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTPN20) Polyclonal Antibody, Unconjugated (AP58202) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.