

PTPN20 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58202

Specification

PTPN20 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat, Pig
Host
Clonality
Polyclonal
Calculated MW
48 KDa

Calculated MW

Physical State

Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human PTPN20

Epitope Specificity 261-360/420

Isotype Purity

affinity purified by Protein A

Buffer Preservative: 0.02% Proclin300,

Constituents: 1% BSA, 0.01M PBS, pH7.4.

SUBCELLULAR LOCATION Nucleus. Cytoplasm >

cytoskeleton > centrosome. Colocalizes with the microtubule-organizing center and intracellular membrane compartments.

SIMILARITY Belongs to the protein-tyrosine

phosphatase family. Non-receptor class

subfamily. Contains 1 tyrosine-protein

phosphatase domain.

Post-translational modifications Phosphorylated upon DNA damage,

probably by ATM or ATR.

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]

PTPN20 Polyclonal Antibody - Additional Information

Gene ID 26095

Other Names

Tyrosine-protein phosphatase non-receptor type 20, hPTPN20, 3.1.3.48, PTPN20 (<a href="http://www.genenames.org/cgi-bin/gene symbol report?hgnc id=23423"



target=" blank">HGNC:23423)

Target/Specificity

Present in many cell lines (at protein level). Widely expressed.

Dilution

WB~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A

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.

PTPN20 Polyclonal Antibody - 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.

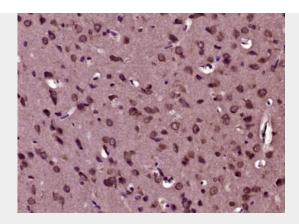
PTPN20 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

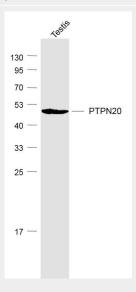
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PTPN20 Polyclonal Antibody - Images





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 (bs-4431R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample:

Testis (Mouse) Lysate at 40 ug

Primary: Anti-PTPN20 (bs-4431R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 48 kD Observed band size: 48 kD