

Datasheet for ABIN1537322
anti-PTPN18 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	PTPN18
Binding Specificity:	AA 430-459, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN18 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PTPN18 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 430-459 amino acids from the C-terminal region of human PTPN18.
Clone:	RB36269
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PTPN18
Alternative Name:	PTPN18 (PTPN18 Products)

Target Details

Background: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, the mitotic cycle, and oncogenic transformation. This PTP contains a PEST motif, which often serves as a protein-protein interaction domain, and may be related to protein intracellular half-life. This protein can differentially dephosphorylate autophosphorylated tyrosine kinases that are overexpressed in tumor tissues, and it appears to regulate HER2, a member of the epidermal growth factor receptor family of receptor tyrosine kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

Molecular Weight: 50482

Gene ID: 26469

NCBI Accession: [NP_001135842](#), [NP_055184](#)

UniProt: [Q99952](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

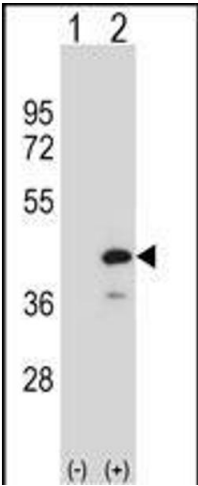
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

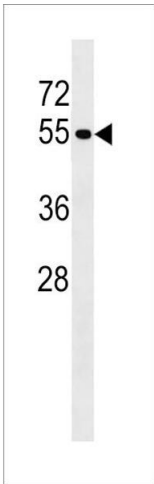
Storage Comment: PTPN18 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis of PTPN18 (arrow) using rabbit polyclonal PTPN18 Antibody (C-term) (ABIN1537322 and ABIN2848591). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PTPN18 gene.



Western Blotting

Image 2. PTPN18 Antibody (C-term) (ABIN1537322 and ABIN2848591) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the PTPN18 antibody detected the PTPN18 protein (arrow).