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## Datasheet for ABIN2745553 anti-PARP10 antibody (AA 1-907)

Image



## Overview

Quantity:	1 mL
Target:	PARP10
Binding Specificity:	AA 1-907
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant human PARP-10 [ARTD10] (aa 1-907) fused to a GST-tag.
Clone:	5H11
lsotype:	lgG1
Specificity:	Recognizes human PARP-10 [ARTD10] with an epitope between aa 256-407, containing the glycine rich (G-rich) region.
Cross-Reactivity:	Human
Target Details	

Target:	PARP10
Alternative Name:	PARP-10 [ARTD10] (PARP10 Products)
Background:	PARP-10 is a mono-ADP-ribosyltransferase and was initially identified as an interaction partner

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	of the proto-oncoprotein Myc. PARP-10 possesses ubiquitin-interaction motifs, which are important to inhibit the activation of NF-kappaB and downstream target genes in response to interleukin-1beta and tumor necrosis factor-alpha. PARP-10 mono(ADP-ribosyl)ates (MARylates) NEMO (NF-kappaB essential modulator), which results in reduced NEMO polyubiquitylation and thus decreased NF-kappaB signaling. Overexpression of PARP-10 was shown to lead to apoptosis. PARP-10 knockdown leads to increased cell survival. Additional substrates of PARP-10, such as GSK-3beta were identified and PARP-10-mediated mono(ADP- ribosyl)ation (MARylation) was shown to be involved in regulating multiple processes, including Wnt signaling.
UniProt:	Q53GL7
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Cell culture supernatant containing RPMI, 10 % FCS and 0.05 % 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
Storage Comment:	Short Term Storage: +4°C Long Term Storage: +4°C Stable for at least 1 year after receipt when stored at +4°C.
Expiry Date:	12 months

Images



## Immunofluorescence

Image 1. Immunofluorescence using anti-PARP-10 [ARTD10] (human), mAb (5H11). Method: T47D mammary carcinoma cells indirect were stained by immunofluorescence and analysed. Prior to fixation and staining, the cells were treated with or without 50nm leptomycin B (LMB) as indicated for 2 h. Controls identify samples that were not incubated with the primary antibody (mAb 5H11) but only with the secondary antibody. The exposure times were identical for the stainings with and without primary antibody. DNA was identified by Hoechst stain. A phase contrast picture of the labeled cells is shown as well.