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PARP-10 Antibody [5H11]

CATALOG NUMBER: 36-172

Specifications

APPLICATIONS:	Immunocytochemistry:(1:50-1:200). Immunoprecipitation:(1:10). Western Blot:(1:50). Optimal conditions must be determined individually for each application.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Recognizes human PARP-10 [ARTD10] with an epitope between aa 256-407, containing the glycine rich (G-rich) region.
IMMUNOGEN:	Recombinant human PARP-10 [ARTD10] (aa 1-907) fused to a GST-tag.
HOST SPECIES:	Rat

Properties

PHYSICAL STATE:	Liquid
BUFFER:	Liquid. Cell culture supernatant containing RPMI, 10% FCS and 0.05% sodium azide.
STORAGE CONDITIONS:	Stable for at least 1 year after receipt when stored at +4˚C.
CLONALITY:	Monoclonal
ISOTYPE:	IgG1
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	ADP-ribosyltransferase Diphtheria Toxin-like 10; Poly(ADP-ribose) Polymerase-10
ACCESSION NO.:	Q53GL7
PROTEIN GI NO.:	116248563
OFFICIAL SYMBOL:	PARP10
GENE ID:	84875

Background

BACKGROUND:	PARP-10. 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.

FOR RESEARCH USE ONLY

December 13, 2016