



PARP-10 Antibody [5H11]

Cat. No.: 36-172



Ψ Specifications

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

Ψ Properties

CLONALITY:	Monoclonal
ISOTYPE:	IgG1
CONJUGATE:	Unconjugated
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.

OFFICIAL SYMBOL:	PARP10
ALTERNATE NAMES:	ADP-ribosyltransferase Diphtheria Toxin-like 10; Poly(ADP-ribose) Polymerase-10
ACCESSION NO.:	116248563
PROTEIN GI NO.:	Q53GL7
GENE ID:	84875
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Background and References

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.
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