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Tiparp Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12065b

Product Information

Application	WB, E
Primary Accession	Q8C1B2
Other Accession	NP_849223.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14174
Calculated MW	75901
Antigen Region	263-292

Additional Information

Gene ID	99929
Other Names	TCDD-inducible poly [ADP-ribose] polymerase, ADP-ribosyltransferase diphtheria toxin-like 14, ARTD14, Tiparp
Target/Specificity	This Tiparp antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 263-292 amino acids from the C-terminal region of human Tiparp.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Tiparp Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Tiparp {ECO:0000303|PubMed:11716501, ECO:0000312|MGI:MGI:2159210}
Function	ADP-ribosyltransferase that mediates mono-ADP-ribosylation of glutamate, aspartate and cysteine residues on target proteins (By similarity). Acts as a negative regulator of AHR by mediating mono-ADP- ribosylation of AHR,

leading to inhibit transcription activator activity of AHR (Probable).

Cellular Location Nucleus.

Tissue Location Ubiquitously expressed.

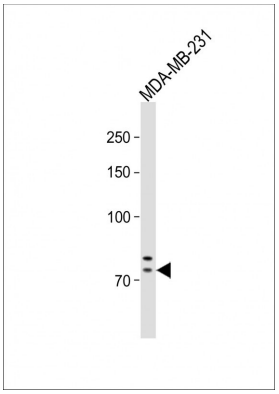
Background

Tiparp is a poly [ADP-ribose] polymerase using NAD(+) as a substrate to transfer ADP-ribose onto glutamic acid residues of a protein acceptor; repeated rounds of ADP-ribosylation leads to the formation of poly(ADPribose) chains on the protein, thereby altering the function of the target protein. May play a role in the adaptative response to chemical exposure (TCDD) and thereby mediates certain effects of the chemicals.

References

Schmahl, J., et al. Genes Dev. 22(23):3255-3267(2008)
Schmahl, J., et al. Nat. Genet. 39(1):52-60(2007)
Stryke, D., et al. Nucleic Acids Res. 31(1):278-281(2003)
Ma, Q. Arch. Biochem. Biophys. 404(2):309-316(2002)
Ma, Q., et al. Biochem. Biophys. Res. Commun. 289(2):499-506(2001)

Images



All lanes: Anti-Tiparp Antibody (C-term) at 1:1000 dilution + MDA-MB-231 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 75. 9 KDa Blocking/Dilution buffer: 5% NFDM/TBST.