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Parp6 Antibody (C-term 503)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6286b

Product Information

Application	WB, E
Primary Accession	Q2NL67
Other Accession	Q6P6P7
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14170
Calculated MW	71115
Antigen Region	508-538

Additional Information

Gene ID	56965
Other Names	Poly [ADP-ribose] polymerase 6, PARP-6, ADP-ribosyltransferase diphtheria toxin-like 17, ARTD17, PARP6
Target/Specificity	This Parp6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 508-538 amino acids from the C-terminal region of human Parp6.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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	Parp6 Antibody (C-term 503) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PARP6 (HGNC:26921)
Function	Mono-ADP-ribosyltransferase that mediates mono-ADP- ribosylation of target proteins.

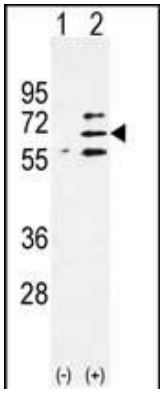
Background

Poly(ADP-ribosyl)ation is an immediate DNA-damage-dependent post-translational modification of histones and other nuclear proteins that contributes to the survival of injured proliferating cells. Poly(ADP-ribose) polymerases (PARPs) now constitute a large family of 18 proteins, encoded by different genes and displaying a conserved catalytic domain in which PARP-1 (113 kDa), the founding member, and PARP-2 (62 kDa) are so far the sole enzymes whose catalytic activity has been shown to be immediately stimulated by DNA strand breaks. A large repertoire of sequences encoding novel PARPs now extends considerably the field of poly(ADP-ribosyl)ation reactions to various aspects of the cell biology including cell proliferation and cell death. Some of these new members interact with each other, share common partners and common subcellular localizations suggesting possible fine tuning in the regulation of this post-translational modification of proteins.

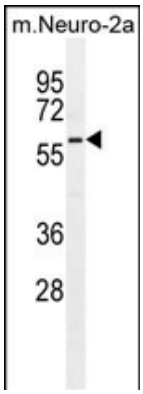
References

Ame,J.C., Bioessays 26 (8), 882-893 (2004)

Images



Western blot analysis of Parp6 (arrow) using rabbit polyclonal Parp6 Antibody (C-term) (Cat. #AP6286b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Parp6 gene.



Parp6 Antibody (C-term) (Cat. #AP6286b) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the Parp6 antibody detected the Parp6 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.