10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PARP16 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6299d

Specification

PARP16 Antibody (C-term) - Product Information

Application	**FC, IHC-P, WB,E**
Primary Accession	Q8N5Y8
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36383**
Antigen Region	**215-244**

PARP16 Antibody (C-term) - Additional Information

Gene ID 54956

Other Names
Mono [ADP-ribose] polymerase PARP16, ADP-ribosyltransferase diphtheria toxin-like 15, Poly [ADP-ribose] polymerase 16, PARP-16, PAR16

Target/Specificity
This PARP16 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 215-244 amino acids from the C-terminal region of human PARP16.

Dilution
FC~~1:10~50
IHC-P~~1:50~100
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 purified through a protein A column, followed by peptide affinity purification.

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
PARP16 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PARP16 Antibody (C-term) - Protein Information

Name PARP16 {ECO:0000303|PubMed:20106667, ECO:0000312|HGNC:HGNC:26040}

Function Intracellular mono-ADP-ribosyltransferase that plays a role in different processes, such as protein translation and unfolded protein response (UPR), through the mono-ADP-ribosylation of proteins involved in those processes (PubMed:22701565, PubMed:23103912, PubMed:25043379, PubMed:34314702). Acts as an inhibitor of protein translation by catalyzing mono-ADP-ribosylation of ribosomal subunits, such as RPL14 and RPS6, thereby inhibiting polysome assembly and mRNA loading (PubMed:34314702). Mono-ADP-ribosylation of ribosomal subunits is promoted by NMNAT2 (PubMed:34314702). Involved in the unfolded protein response (UPR) by ADP-ribosylating and activating EIF2AK3 and ERN1, two important UPR effectors (PubMed:23103912). May also mediate mono-ADP-ribosylation of karyopherin KPNB1 a nuclear import factor (PubMed:22701565). May not modify proteins on arginine or cysteine residues compared to other mono-ADP-ribosyltransferases (PubMed:22701565).

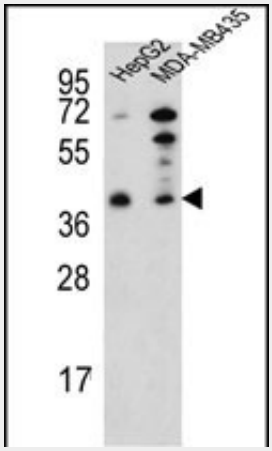
Cellular Location
Endoplasmic reticulum membrane; Single-pass type IV membrane protein

PARP16 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PARP16 Antibody (C-term) - Images



Western blot analysis of PARP16 Antibody (C-term) (Cat. #AP6299d) in HepG2,MDA-MB435 cell line lysates (35ug/lane).PARP16 (arrow) was detected using the purified Pab.

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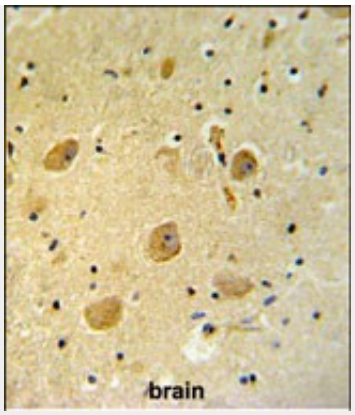
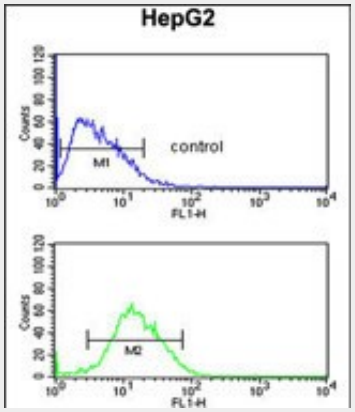


PARP16 Antibody (C-term) (Cat. #AP6299d) IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PARP16 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



PARP16 Antibody (C-term) (Cat. #AP6299d) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PARP16 Antibody (C-term) - Background

The function of this protein has not been specifically defined.

PARP16 Antibody (C-term) - References

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