Datasheet for ABIN2778106

anti-PARP16 antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	PARP16
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Pig, Rabbit, Cow, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PARP16 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PARP16
Sequence:	KRDSVLRPFP ASYARGDCKD FEALLADASK LPNLKELLQS SGDNHKRAWD
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PARP16. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PARP16

Target Details

Alternative Name:	PARP16 (PARP16 Products)
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. PARP16 is a member of poly(ADP-ribose) polymerases (PARPs) family that is 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. Alias Symbols: pART15, C15orf30 Protein Interaction Partner: GMCL1, UBC, NEDD4, Protein Size: 323
Molecular Weight:	36 kDa
Gene ID:	54956
NCBI Accession:	NM_017851, NP_060321
UniProt:	Q6PK64

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 323 AA
Restrictions:	For Research Use only

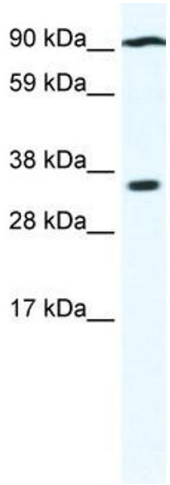
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

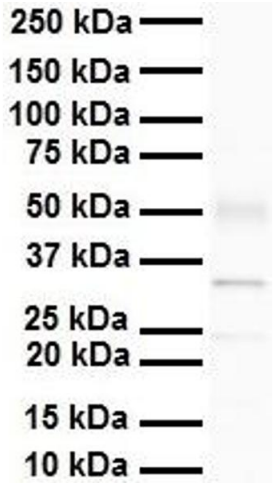
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



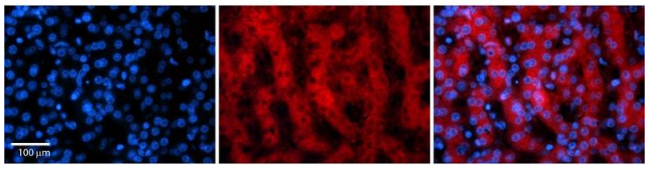
Western Blotting

Image 1. WB Suggested Anti-PAntibody Titration: 0.2-1 ug/ml Positive Control: Human kidney



Western Blotting

Image 2. WB Suggested Anti-Pantibody Titration: 1 ug/mL Sample Type: Human heart



Immunohistochemistry

Image 3. Rabbit Anti-PAntibody Formalin Fixed Paraffin Embedded Tissue: Human Adult liver Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec Protocol located in Reviews and Data.

