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Datasheet for ABIN6259061

anti-PARP2 antibody (Internal Region)

3 Images

Overview

Quantity:	100 µL
Target:	PARP2
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PARP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human PARP2, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	PARP2 Antibody detects endogenous levels of total PARP2.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	PARP2
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Target Details

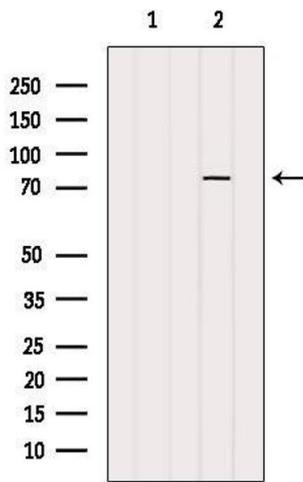
Alternative Name:	PARP2 (PARP2 Products)
Background:	<p>Description: Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribose)ylation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism (PubMed:10364231, PubMed:28190768). This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks (PubMed:10364231). Mediates serine ADP-ribosylation of target proteins following interaction with HPF1, HPF1 conferring serine specificity (PubMed:28190768).</p> <p>Gene: PARP2</p>
Molecular Weight:	75 kDa
Gene ID:	10038
UniProt:	Q9UGN5
Pathways:	DNA Damage Repair

Application Details

Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

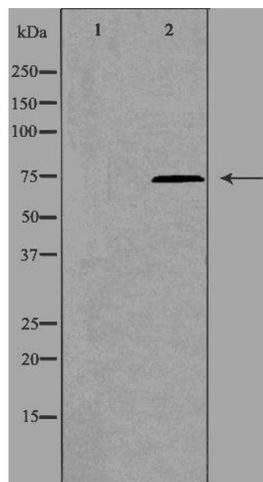
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



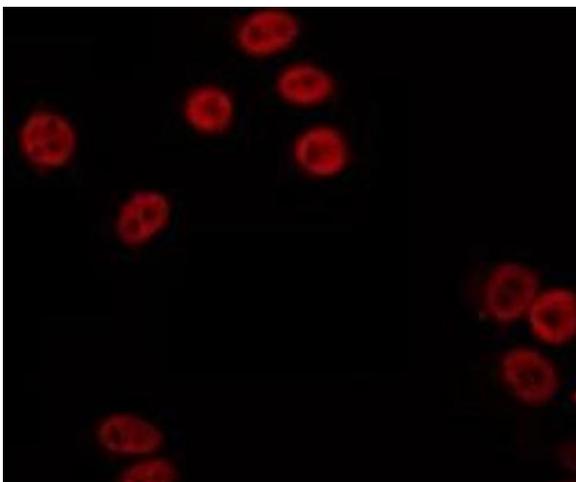
Western Blotting

Image 1. Western blot analysis of extracts from 3T3, using PARP2 Antibody. The lane on the left was treated with blocking peptide.



Western Blotting

Image 2. Western blot analysis of extracts from K562 using PARP2 antibody. The lane on the left is treated with the antigen-specific peptide.



Immunofluorescence (fixed cells)

Image 3. ABIN6274696 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.