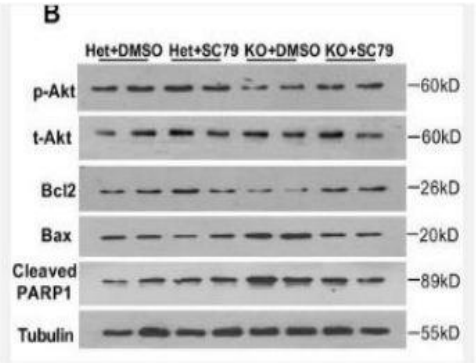
PRODUCT DATA SHEET

Cleaved-PARP-1 (G215) Polyclonal Antibody

Catalog No.	IPB0110
Reactivity	Human; Mouse; Rat
Applications	WB; ELISA
Dilution	WB: 1:500-1:2000 ELISA: 1:5000
Gene Name	PARP1
Protein Name	Poly [ADP-ribose] polymerase 1
Human Gene Id	142
Swiss-Prot	P09874
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Nucleus Nucleus, nucleolus Chromosome Localizes to sites of DNA damage
MW	113084
Background	This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes

Products Images:



Wang, Bin, et al. "Loss of Tctn3 causes neuronal apoptosis and neural tube defects in mice." Cell death & disease 9.5 (2018): 520.

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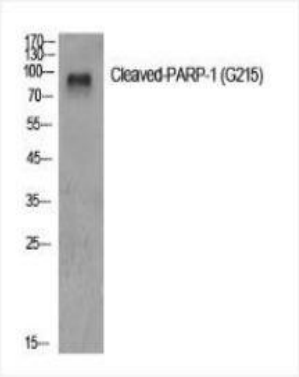
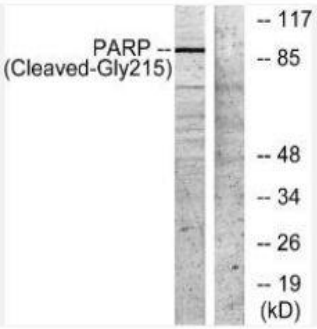
Mao, Dongwei, et al. "RNAi-mediated knockdown of the CLN3 gene inhibits proliferation and promotes apoptosis in drug-resistant ovarian cancer cells." Molecular medicine reports12.5 (2015): 6635-6641.



Western Blot analysis of various cells using Cleaved-PARP-1 (G215) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from NIH/3T3 cells, treated with etoposide 25uM 1h, using PARP (Cleaved-Gly215) Antibody. The lane on the right is blocked with the synthesized peptide.