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Anti-Cleaved-PARP1 Rabbit mAb [89B75]

Catalog No.: A52265

Basic Information

Catalog No. (Cat.No.)	A52265
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Cleaved-PARP1,Cleaved-PARP-1,PARP-1,poly(ADP-ribose) polymerase 1,ADP-ribose polymerase

Product Information

Target	Cleaved-PARP1
Molecular Weight(Calculated)	25 kDa
Molecular Weight(Observed)	25 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	89B75
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:500-1:5000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Cleaved poly(ADP-ribose) polymerase-1
Gene Name	*PARP1*
Domain	NA
Background	PARP1 (Poly(ADP-ribose) polymerase 1) belongs to PARP-superfamily DNA-repair enzyme family responsible for DNA-damage sensing and poly-ADP-ribosylation. Cleaved PARP1 is a hallmark apoptotic fragment. Full-length PARP1 senses DNA strand breaks and catalyzes PAR-modification to recruit repair machineries. During apoptosis, activated caspase-3/7 cleaves PARP1 at Asp214 to generate 89 kDa C-terminal fragment and 24 kDa N-terminal fragment, abolishing PARP1-mediated DNA-repair capacity. Cleaved-PARP1 antibody exclusively detects apoptotic cleavage product instead of total full-length PARP1.