

## Anti-PARP1 Antibody (3G512)

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 116 kDa. Actual: 116 kDa.
Clone:	3G512
Purification:	Protein G purified

### Applications

Verified Activity:	1. Sample: A431 (Human) Cell Lysate at 30 µg Primary: Anti-PARP (TMAB-09991) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 116 kD Observed band size: 116 kD
	2. Sample: NIH/3T3 (Mouse) Cell Lysate at 30 µg Primary: Anti-PARP (TMAB-09991) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 116 kD Observed band size: 116 kD
	Application: WB
	Recommended WB: 1:500-1000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human PARP1
Antigen Species:	Human
Gene ID:	142
Uniprot ID:	P09874

### Research 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. [provided by RefSeq, Jul 2008].

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