

Anti-PARP1 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 111 kDa. Actual: 115 kDa.
Purification:	Protein A purified

Applications

1. Blank control (blue line): HL60 cells (blue).
Primary Antibody (green line): Rabbit Anti-PARP antibody (TMAB-01335)
Dilution: 0.2 µg/10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE
Dilution: 1 µg/test.

Protocol

The cells were fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2% BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature.

2. Blank control: 293T.

Primary Antibody (green line): Rabbit Anti-PARP1 antibody (TMAB-01335)
Dilution: 1 µg/10⁶ cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody: Goat anti-rabbit IgG-AF647

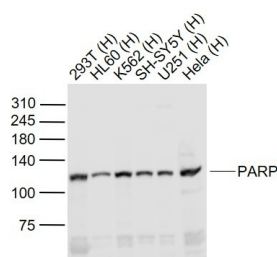
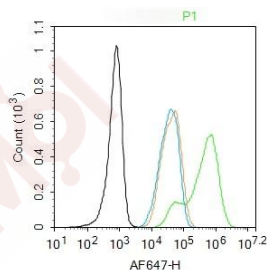
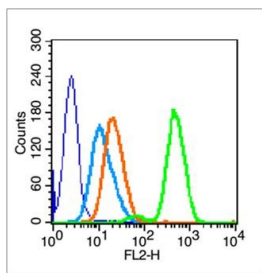
Verified Activity: Dilution: 1 µg/test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

3. Sample:

Lane 1: 293T (Human) Cell Lysate at 30 µg
Lane 2: HL60 (Human) Cell Lysate at 30 µg
Lane 3: K562 (Human) Cell Lysate at 30 µg
Lane 4: SH-SY5Y (Human) Cell Lysate at 30 µg
Lane 5: U251 (Human) Cell Lysate at 30 µg
Lane 6: HeLa (Human) Cell Lysate at 30 µg
Primary: Anti-PARP (TMAB-01335) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 115 kDa
Observed band size: 115 kDa



Application: FCM,WB

Recommended WB: 1:500-2000; FCM: 0.2µg/Test

Properties

Stability & Storage: 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 PARP

Antigen Species: Human

Gene ID: 142

Uniprot ID: P09874

Synonyms: PPOL;PARS;ARTD1;ADPRT 1;PARP;Poly-PARP;pADPRT-1;ADPRT;PARP-1;ADPRT1

Biology Area: ADP-ribosylation,Base Excision Repair,DNA Damage Recognition

Research Background

This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosylation). 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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