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Product datasheet for AM50055PU-S

PARP2 Mouse Monoclonal Antibody [Clone ID: AT29G4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT29G4
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	**ELISA.** **Flow Cytometry** **Immunocytochemistry/Immunofluorescence.** **Western blot / Immunoblot.** The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1:5000. Recommended starting dilution is 1:500.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human PARP2 (233-583aa) purified from E. coli
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	poly(ADP-ribose) polymerase 2
Database Link:	Entrez Gene 10038 Human Q9UGN5

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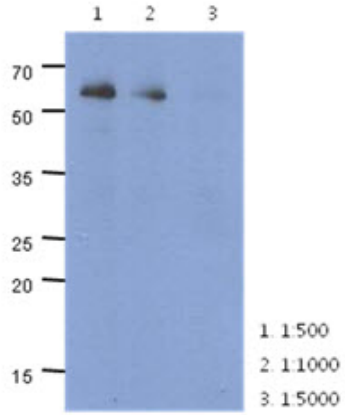
Background: PARP2 is poly(ADP-ribosyl)transferase-like 2 protein, which contains a catalytic domain and is capable of catalyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) transferase. The basic residues within the N-terminal region of this protein may bear potential DNA-binding properties, and may be involved in the nuclear and/or nucleolar targeting of the protein. Two alternatively spliced transcript variants encoding distinct isoforms have been found.

Synonyms: PARP-2, ADPRT2, ADPRTL2, Poly [ADP-ribose] polymerase 2, PARP 2, EC=2.4.2.30, pADPRT-2

Protein Families: Druggable Genome

Protein Pathways: Base excision repair

Product images:



The cell lysate of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PARP2 antibody (1:500 ~ 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.