



Mouse anti PARP Monoclonal Antibody

Alternative Name(s): PARP (Poly(ADP-ribose) polymerase)

Order Information

- **Description:** PARP (Poly(ADP-ribose) polymerase)
- **Catalogue:** 604-860
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** 10H
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human PARP

BACKGROUND

PARP (Poly (ADP-ribose) polymerase) is a 113 kD nuclear protein that can exist as a homo- or hetero-dimer. This protein acts as a molecular "nick sensor" and functions in base excision repair, poly(ADP-ribosyl)ation of acceptor proteins involved in chromatin architecture and DNA metabolism and participates in protein modification to enhance or repress transcription. PARP is ribosylated by PARP2 and is a target for caspase cleavage during apoptosis. PARP interacts with proteins in the base excision repair complex containing at least XRCC1, PARP2, POLB and LIG3. In addition PARP forms heterodimers with PARP2, and interacts with PARP3. The 5A5 monoclonal antibody recognizes the N-terminal region of human and mouse PARP and has been shown to be useful for Western blotting and immunofluorescence staining.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human PARP (Poly(ADP-ribose) polymerase) protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 42.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

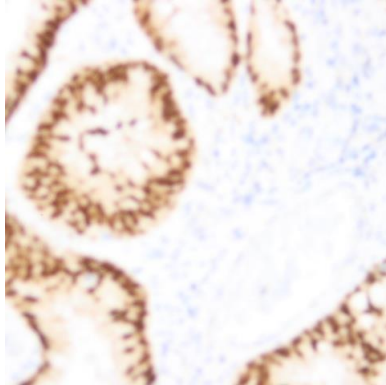
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human colon carcinoma (FFPE) stained with Mouse anti-PARP (Poly(ADP-ribose) polymerase) (Cat# 604-860) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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