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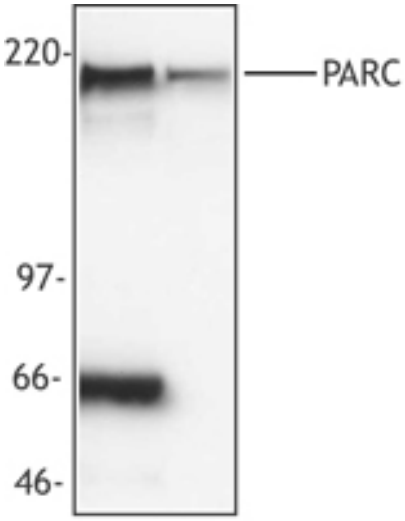
Product Data Sheet

Purified anti-PARC (H7AP1)

Catalog # / Size: 627602 / 100 µg
Clone: PO69
Isotype: Mouse IgG1, κ
Immunogen: Human PARC peptide
Reactivity: Human, mouse
Preparation: The antibody was purified by affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.
Concentration: 0.5 mg/ml
Storage: Upon receipt, store undiluted at 4°C.



HepG2 cell extract (left lane) or NIH 3T3 cell extract (right lane) was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-PARC antibody. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system. In all human cell lines tested, this antibody recognizes a non-specific 66 kD protein in addition to PARC.

Applications:

Applications: WB - *Quality tested*
Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, suggested working dilution(s): Use 5 µg per 5 ml antibody dilution buffer (1:500 dilution) for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.
Application References: 1. Cai X, *et al.*2008. *Proc Natl Acad Sci USA* 105:16958. PubMed

Description: The PARC protein, also known as p53-associated parkin-like cytoplasmic protein and UbcH7 associated protein 1, is a large (>250 kD) ubiquitously expressed cytoplasmic protein that contains a cullin domain and signature RING-IBR (in-between ring finger domain)-RING domains. PARC is thought to serve as a cytoplasmic anchor in p53-associated complexes thought to be critical in controlling p53 subcellular localization and function. These large complexes that contain PARC, p53 and other associated proteins are approximately 1 MD in non-stressed cells. The PARC protein has been shown to interact with a number of proteins including p53, UBCH8, ubiquitin conjugating enzyme E2G2, and ubiquitin conjugating enzyme E2L3. The P069 monoclonal antibody recognizes human PARC and has been shown to be useful for Western blotting.

Antigen References:
1. Nikolaev AY, *et al.* 2003. *Cell* 112:29.
2. Nikolaev AY and Gu W. 2003. *Cell Cycle* 2:169.
3. Skaar JR, *et al.* 2005. *Mol. Cell. Biol.* 25:5579.

Related Products:

Product	Clone	Application
HRP Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, IHC, WB

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