

PARG (D4E6X) Rabbit mAb



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Applications: W, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 130	Source/Isotype: Rabbit IgG	UniProt ID: #Q86W56	Entrez-Gene Id: 8505
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		PARG (D4E6X) Rabbit mAb recognizes endogenous levels of total PARG protein. This antibody specifically recognizes PARG isoform 1 (UniProt #Q86W56-1) and does not recognize other PARG isoforms.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human PARG protein.				
Background		by members of the PA translational modifica of ADP-ribose from N/ wide range of biologic (1,2). The mammalian isoforms. PARG isofor of the PARG activity. T altered PAR metabolis	R polymerase (PAR tion that is catalyze AD ⁺ to target protei al roles, including that PARG enzyme that ms 1-3 shuttle betwhe smaller isoforms to inflammatory that increase PAR le	is an enzyme that hydro P) enzyme family. Poly (Act by PARP proteins. This ins, such as histones and the response to DNA dar catalyzes the removal oveen the nucleus and cyls 4 and 5 reside in the cyland autoimmune disease evels may sensitize cells cer therapies (9).	ADP)-ribosylation is modification invold transcription factomage and transcrip f this modification of toplasm and are resectoplasm (3-5). Resectos	a post- ves polymerization ors, and plays a tional regulation exists as multiple sponsible for most earch studies link onal degeneration
Background References		1. Thomas, C. and Tulin, A.V. (2013) <i>Mol Aspects Med</i> 34, 1124-37. 2. Li, N. and Chen, J. (2014) <i>Mol Cells</i> 37, 9-16. 3. Meyer-Ficca, M.L. et al. (2004) <i>Exp Cell Res</i> 297, 521-32. 4. Meyer-Ficca, M.L. et al. (2005) <i>Int J Biochem Cell Biol</i> 37, 920-6. 5. Bonicalzi, M.E. et al. (2003) <i>Biol Cell</i> 95, 635-44. 6. Cortes, U. et al. (2004) <i>Mol Cell Biol</i> 24, 7163-78. 7. Masutani, M. et al. (2005) <i>Cell Mol Life Sci</i> 62, 769-83. 8. Ying, W. and Swanson, R.A. (2000) <i>Neuroreport</i> 11, 1385-8. 9. Fauzee, N.J. et al. (2010) <i>Pathol Oncol Res</i> 16, 469-78.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: Human Mk: Monkey

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