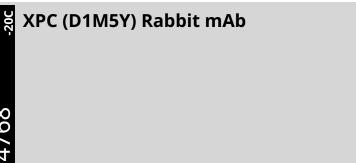
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Applications: W, IP, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 120	Source/Isotype: Rabbit IgG	UniProt ID: #Q01831	Entrez-Gene Id: 7508			
Product Usage Information	2	Application Western Blotting Immunoprecipitation Immunofluorescence	(Immunocytochem	iistry)		Dilution 1:1000 1:100 1:400			
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/Ser	nsitivity	XPC (D1M5Y) Rabbit mAb recognizes endogenous levels of total XPC protein.							
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human XPC protein.							
Background		Nucleotide excision repair (NER) is a process by which cells identify and repair DNA lesions resulting from chemical or radiation exposure (1). XPC forms a complex with HR23B (2) that acts as a damage sensor due to its high affinity for geometry distorting DNA lesions. This complex localizes to sites of DNA damage and recruits the remaining members of the preincision complex necessary for initiation of NER (3). XPC is one of eight NER proteins (XPA-G, XPV) where defects result in Xeroderma pigmentosum, a disease characterized by sunlight sensitivity, a predisposition to cancer of exposed tissue, and, in some instances, neurological defects (4).							
Background R	eferences	1. Fuss, J.O. and Coope 2. Masutani, C. et al. (3. Sugasawa, K. et al. (4. DiGiovanna, J.J. and	1994) <i>EMBO J</i> 13, 18 (1998) <i>Mol Cell</i> 2, 22	331-43.	, 785-96.				
Species Reacti	vity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).							
Western Blot E	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 K	ley	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)							
Cross-Reactivi	ty Key	H: Human							
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