Store at

963



For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 80	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P18074	Entrez-Gene Id: 2068
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
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		XPD (D3Z6I) Rabbit mAb recognizes endogenous levels of total XPD protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human XPD protein.				
Background		repair (NER) to remove 5'-3' DNA helicases, res (2,3). XPB and XPD both linked mutations of the patients have abnorma patients exhibit sympto In addition to their role core complex (5). The h facilitate RNA polymera structural role linking c	lesions and photo pectively, that play n play an importan ese proteins to Xer dities in skin pigmo such as brittle in NER, XPB and > delicase activity of > ase II promoter cle ore TFIIH compon	s of the TFIIH complex t products generated by l a role in opening of the t role in maintaining ge oderma Pigmentosum (2 entation and are highly s hair, neurological abnor (PD are involved in trans (PB unwinds DNA arour arance and initiation of ents with the cdk-activat gest subunit of RNA poly	UV light (1). XPB and DNA damage site nomic stability, and XP) and Trichothiod susceptible to skin o rmalities, and mild scription initiation a d the transcription transcription (6). XF ting kinase (CAK) co	d XPD are 3'-5' and to facilitate repair researchers have ystrophy (TTD). XP cancers, while TTD photosensitivity (4). s part of the TFIIH start site to 2D plays a mplex that
Background References		1. Oksenych, V. and Coin, F. (2010) <i>Cell Cycle</i> 9, 90-6. 2. Evans, E. et al. (1997) <i>EMBO J</i> 16, 6559-73. 3. Riedl, T. et al. (2003) <i>EMBO J</i> 22, 5293-303. 4. Lehmann, A.R. (2003) <i>Biochimie</i> 85, 1101-11. 5. Drapkin, R. et al. (1994) <i>Nature</i> 368, 769-72. 6. Holstege, F.C. et al. (1996) <i>EMBO J</i> 15, 1666-77. 7. Rossignol, M. et al. (1997) <i>EMBO J</i> 16, 1628-37.				
Species Reactiv	vity	Species reactivity is det	ermined by testing	g in at least one approve	ed 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 M: Mouse R: Rat Mk: Monkey				
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.				
		All other trademarks ar more information.	e the property of t	heir respective owners.	Visit cellsignal.com	/trademarks for
Limited Uses		Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no				

## force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.