

# Product Information



## XPG (Xeroderma pigmentosum group G) Monoclonal Antibody

Cat No: G01073 - 100 µL

### General Data

<b>Shipping:</b>	wet ice
<b>Formulation:</b>	Liquid Ascite, does not contain any preservative therefore avoid repeat freezing and thawing cycles
<b>Host:</b>	Mouse
<b>Antigen:</b>	Synthetic peptide
<b>Clone:</b>	1B5
<b>Isotype:</b>	IgG1, κ



<b>Application(s):</b>	ELISA
	Western Blot
	Immunoprecipitation
	Immunocytochemistry
	Recommended dilutions: 1/500-1/5000

**Specificity:** human XPG.

### Product Overview

ERCC5 or XPG is a single-strand specific DNA endonuclease that makes the 3' incision in DNA excision repair following UV-induced damage. The protein may also function in other cellular processes, including RNA polymerase II transcription, and transcription-coupled DNA repair. Mutations cause xeroderma pigmentosum complementation group G (XP-G), which is also referred to as xeroderma pigmentosum VII (XP7), a skin disorder characterized by hypersensitivity to UV light and increased susceptibility for skin cancer development following UV exposure. Some patients also develop Cockayne syndrome.

### Scientific Literature

Riedl T, Hanaoka F, Egly JM. The comings and goings of nucleotide excision repair factors on damaged DNA. EMBO J. 2003 Oct 1;22(19):5293-303.

FP/16/24

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