abcam

Product datasheet

Anti-XPG antibody ab64931

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概述

产品名称	Anti-XPG抗体
描述	**兔多克隆抗体**to XPG
宿主	Rabbit
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human
免疫原	Synthetic peptide derived from an internal sequence within Human XPG.
阳性对照	Extracts from K562 cells
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride Without Mg2+ and Ca2+
纯度	Immunogen affinity purified
纯化说明	ab64931 was affinity-purified from rabbit antiserum by affinity-chromatography using an epitope-specific immunogen.
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab64931于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (1)	1/500 - 1/1000. Detects a band of approximately 130 kDa (predicted molecular weight: 133 kDa).

靶标

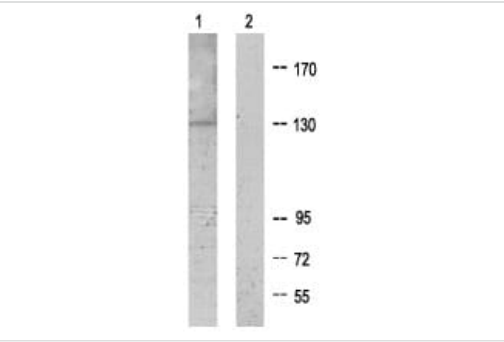
功能 Single-stranded structure-specific DNA endonuclease involved in DNA excision repair. Makes the 3'incision in DNA nucleotide excision repair (NER). Acts as a cofactor for a DNA glycosylase that removes oxidized pyrimidines from DNA. May also be involved in transcription-coupled repair of this kind of damage, in transcription by RNA polymerase II, and perhaps in other processes too.

疾病相关 Defects in ERCC5 are the cause of xeroderma pigmentosum complementation group G (XP-G) [MIM:278780]; also known as xeroderma pigmentosum VII (XP7). Xeroderma pigmentosum is an autosomal recessive pigmentary skin disorder characterized by solar hypersensitivity of the skin, high predisposition for developing cancers on areas exposed to sunlight and, in some cases, neurological abnormalities. Some XP-G patients present features of Cockayne syndrome, including dwarfism, sensorineural deafness, microcephaly, mental retardation, pigmentary retinopathy, ataxia, decreased nerve conduction velocities.

序列相似性 Belongs to the XPG/RAD2 endonuclease family. XPG subfamily.

细胞定位 Nucleus.

图片



Western blot - Anti-XPG antibody (ab64931)

All lanes : Anti-XPG antibody (ab64931) at 1/500 dilution

Lane 1 : Extracts from K562 cells
Lane 2 : Extracts from K562 cells with immunising peptide at 10 µg

Lysates/proteins at 30 µg per lane.

Predicted band size: 133 kDa
Observed band size: 130 kDa

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