

For Research Use Only

ERCC2 Polyclonal antibody

Catalog Number: 10818-1-AP

4 Publications



Basic Information

Catalog Number:

10818-1-AP

Size:

150ul, Concentration: 300 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1038

GenBank Accession Number:

BC008346

GeneID (NCBI):

2068

Full Name:

excision repair cross-complementing rodent repair deficiency, complementation group 2

Calculated MW:

87 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, K-562 cells, HEK-293 cells

IP : K-562 cells,

IHC : human lymphoma tissue, human cervical cancer tissue

Background Information

Excision-repair complementing defective in Chinese hamster 2(ERCC2), belongs to the nucleotide excision repair pathway, is a component of the TFIIH transcription complex and required for the association of the CDK-activating kinase(CAK) subcomplex with TFIIH. Since TFIIH is involved in both DNA repair and cell cycle progression, ERCC2 is implicated to play an integral role in the nucleotide excision repair pathway. Also it involves in the regulation of vitamin-D receptor activity. As a part of the mitotic spindle-associated MMXD complex, ERCC2 has a role in chromosome segregation.

Notable Publications

Author	Pubmed ID	Journal	Application
Shun Tezuka	30416859	Am J Cancer Res	IHC
Lai Jiun-I JI	19432884	Cancer Sci	IHC
Zhao Jin-yao JY	22868004	Methods	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

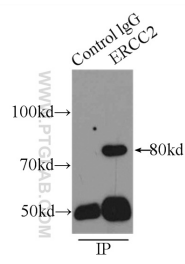
E: proteintech@ptglab.com
W: ptglab.com

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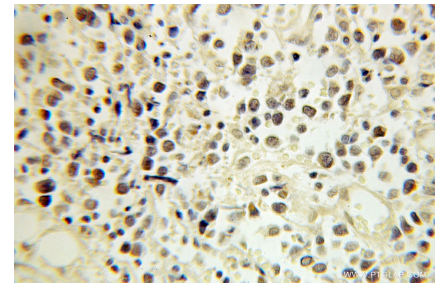
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 10818-1-AP (ERCC2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-ERCC2 (IP:10818-1-AP, 5ug; Detection:10818-1-AP 1:500) with K-562 cells lysate 8000ug.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 10818-1-AP (ERCC2 antibody) at dilution of 1:100 (under 10x lens).