

For Research Use Only

# ERCC5 Monoclonal antibody

Catalog Number: 67055-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67055-1-Ig	<b>GenBank Accession Number:</b> BC031522	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1900 ug/ml by 2073 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2073	<b>CloneNo.:</b> 1G2C9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P28715	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG1	<b>Full Name:</b> excision repair cross-complementing rodent repair deficiency, complementation group 5	
<b>Immunogen Catalog Number:</b> AG28561	<b>Calculated MW:</b> 1186 aa, 133 kDa	
	<b>Observed MW:</b> 200 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HT-29 cells, COLO 320 cells, Daudi cells, Ramos cells, HeLa cells, HepG2 cells, Jurkat cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human	

## Background Information

The human genes correcting DNA repair defects are termed excision-repair cross-complementing or ERCC genes. The ERCC5 gene corrects the excision repair deficiency of Chinese hamster ovary cell line UV135 of complementation group 5. The human ERCC5 gene product is a structure-specific endonuclease required for making the 3-prime incision during DNA nucleotide excision-repair (NER). It also plays an important role in regulating DNA excision repair, removal of bulky lesions caused by environmental chemicals or UV light [PMID:22815677]. The calculated molecular weight of ERCC5 is 133 kDa, but the modified ERCC5 protein is about 200 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Geng Wang	37324464	Front Pharmacol	WB

## Storage

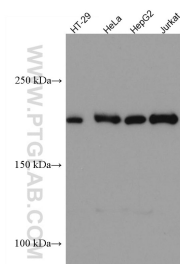
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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



Various lysates were subjected to SDS PAGE followed by western blot with 67055-1-Ig (ERCC5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.