

For Research Use Only

# ERCC5 Monoclonal antibody, PBS Only



Catalog Number: 67055-1-PBS

## Basic Information

|                                      |   |  |
|--------------------------------------|---|--|
| Catalog Number:<br>67055-1-PBS       | GenBank Accession Number:<br>BC031522   | Purification Method:<br>Protein G purification |
| Size:<br>1 mg/ml                     | GeneID (NCBI):<br>2073  | CloneNo.:<br>1G2C9                             |
| Source:<br>Mouse                     | UNIPROT ID:<br>P28715   |  |
| Isotype:<br>IgG1                     | Full Name:<br>excision repair cross-complementing<br>rodent repair deficiency,<br>complementation group 5 |  |
| Immunogen Catalog Number:<br>AG28561 | Calculated MW:<br>1186 aa, 133 kDa  |  |
|                                      | Observed MW:<br>200 kDa   |  |

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
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.

## Storage

Storage:  
Store at -80°C.

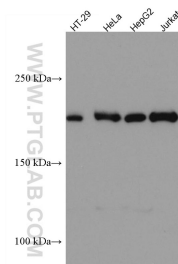
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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. This data was developed using the same antibody clone with 67055-1-PBS in a different storage buffer formulation.