

For Research Use Only

# ERCC5 Monoclonal antibody, PBS Only



Catalog Number: 67055-1-PBS

## Basic Information

Catalog Number:

67055-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28561

GenBank Accession Number:

BC031522

GeneID (NCBI):

2073

UNIPROT ID:

P28715

Full Name:

excision repair cross-complementing  
rodent repair deficiency,  
complementation group 5

Calculated MW:

1186 aa, 133 kDa

Observed MW:

200 kDa

Purification Method:

Protein G purification

CloneNo.:

1G2C9

## 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.

Storage Buffer:

PBS Only

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

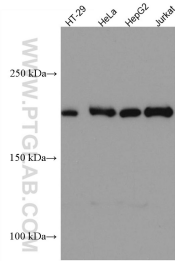
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## Selected Validation Data



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