

For Research Use Only

ERCC5 Monoclonal antibody

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



Basic Information

Catalog Number:

67055-1-Ig

Size:

1900 µg/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

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB: HT-29 cells, COLO 320 cells, Daudi cells, Ramos cells, HeLa cells, HepG2 cells, Jurkat cells

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

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

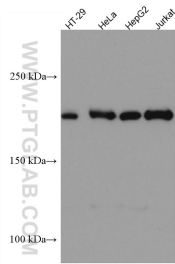
T: 4006900926

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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.