

For Research Use Only

ERCC5 Monoclonal antibody

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



Basic Information

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

Applications

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

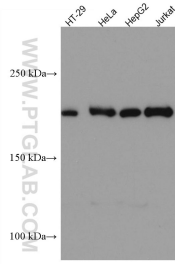
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.