



## ERCC1 Monoclonal Antibody

Cat #: ABM0029

Size: 100µl

### Product Information

	<b>Product Name:</b> ERCC1 Monoclonal Antibody		
	<b>Applications:</b> WB, IHC-P		<b>Isotype:</b> Mouse IgG1
	<b>Reactivity:</b> Human		
<b>REF</b>	<b>Catalog Number:</b> ABM0029	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**Background:** The product of ERCC1 functions in the nucleotide excision repair pathway, and is required for the repair of DNA lesions such as those induced by UV light or formed by electrophilic compounds including cisplatin. ERCC excision repair 1, endonuclease non-catalytic subunit forms a heterodimer with the XPF endonuclease (also known as ERCC4), and the heterodimeric endonuclease catalyzes the 5' incision in the process of excising the DNA lesion. The heterodimeric endonuclease is also involved in recombinational DNA repair and in the repair of inter-strand crosslinks. Mutations in ERCC1 result in cerebrooculofacioskeletal syndrome, and polymorphisms that alter expression of ERCC1 may play a role in carcinogenesis. Multiple transcript variants encoding different isoforms have been found for ERCC1. The last exon of ERCC1 overlaps with the CD3e molecule, epsilon associated protein gene on the opposite strand.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000), IHC-P (1:100-1:300).

**Storage Buffer:** PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

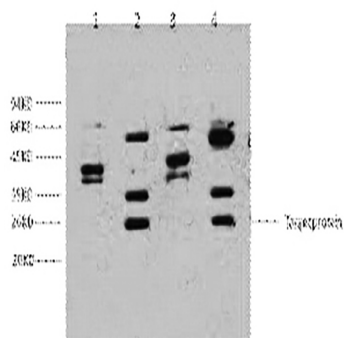


Fig.1. Western blot analysis of 1) Hela, 2) HepG2, 3) 293T, 4) Jurkat, diluted at 1:2000.

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