

Monoclonal Antibody to ERCC1 - Purified

Catalog No.:	AM05521PU-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	The mammalian ERCC1 (Excision Repair Cross Complementing) polypeptide is required for nucleotide excision repair (NER) of damaged DNA and is homologous to <i>Saccharomyces cerevisiae</i> RAD10, which functions in repair and mitotic intrachromosomal recombination. NER mechanism involves dual incisions on both sides of the damage catalyzed by two nucleases. In mammalian cells XPG cleaves 3' of the DNA lesion while the ERCC1 XPF complex makes the 5' incision. Elevated levels of ERCC1 have also been reported in Cisplatin resistant cells.
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	3H11
Immunogen:	Full length, his-tagged recombinant ERCC1.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein A Buffer System: Phosphate buffered saline containing 0.09% Sodium Azide
Applications:	Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises ERCC1 protein, which is involved in nucleotide excision repair. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains sodium azide : a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.