



ERCC2 Polyclonal Antibody

Cat #: ABP58495

Size: 30µl /100µl /200µl

Product Information

	Product Name: ERCC2 Polyclonal Antibody		
	Applications: WB, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse		
REF	Catalog Number: ABP58495	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: ERCC2 functions as a DNA repair gene involved in separating the double helix via 5'-3' helicase activity. It forms a part of the transcription factor II Human (TFIIH) complex and is ATP-dependent. The TFIIH complex is known to be involved in the nucleotide excision repair pathway (NER) which can repair DNA damage caused by chemotherapeutic treatment and basal transcription. ERCC2 variants have been observed in a variety of cancers. A number of studies have suggested ERCC2 variants can act as biomarkers to predict response to neoadjuvant treatment, and cancer prognosis. Additionally the Lys751Gln polymorphism has been observed to increase risk in a number of cancer types; however, results have been conflicting.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), ELISA (1:5000-1:20000).

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.

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