Mouse Anti-ERCC1 [D10]: MC0018, MC0018RTU7

Intended Use: For Research Use Only

Description: Excision Repair Cross Complementing 1 (ERCC1) is a mammalian nucleotide excision repair (NER) enzyme involved in repair of damaged DNA. ERCC1 is a homologous to RAD10 in Saccharomyces cerevisiae, which is required in mitotic intrachromosomal recombination and repair. ERCC1 is required in repair of cisplatin-induced DNA adducts and ultraviolet (UV)-induced DNA damage. High expression of ERCC1 has been linked to tumor progression in a variety of cancers including non-small cell lung cancer (NSCLC), squamous cell carcinoma of the head, ovarian cancer and esophageal cancer.

Specifications:

Clone:	D10
Source:	Mouse
Isotype:	IgG2b/k
Reactivity:	Human, mouse, rat
Immunogen:	Human ERCC1 aa 1-297
Localization:	Nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA, ICC/IF, IP, WB

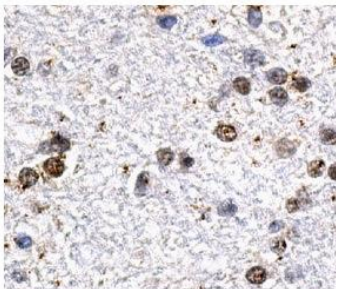
Package:

Description	Catalog No.	Size
ERCC1 Concentrated	MC0018	1 ml
ERCC1 Prediluted	MC0018RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	GI tract, lung cancer
Concentrated Dilution:	25-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human brain stained with anti-ERCC1 using DAB

References:

1. Expression of excision repair cross-complementation group 1 and class III ß-tubulin in thymic carcinoma. Okuda K, et al. Oncol Lett 13:3144-3150, 2017.
2. Effects of p38MAPK-mediated excision repair cross-complementation 1 expression on prognosis of patients with non-small cell lung cancer. He D, et al. Oncol Lett 14:3463-3472, 2017.
3. High excision repair cross-complementation group 1 expression is associated with favorable prognostic factors in breast cancer. Kim DH, et al. Oncol Lett 14:4995-5003, 2017.

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