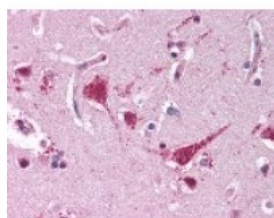




XRCC5 Antibody [9403]

CATALOG NUMBER: 48-869



Immunohistochemistry staining of XRCC5
in brain cortex tissue using XRCC5
monoclonal Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	IHC, WB
APPLICATIONS:	XRCC5 antibody can be used in ELISA, Western Blot starting at 1:500 - 1:1000, immunohistochemistry starting at 5 ug/mL, and immunofluorescence starting at 10 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	XRCC5 monoclonal antibody was raised against recombinant antigen containing the amino terminal portion of XRCC5 (Human).
HOST SPECIES:	Mouse

Properties

PURIFICATION:	Protein G Column
PHYSICAL STATE:	Liquid
BUFFER:	PBS.
STORAGE CONDITIONS:	XRCC5 antibody can be stored short term 4 °C. For long term storage aliquot and store at -20 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Monoclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	XRCC5, 86 kDa subunit of Ku antigen, CTC85, CTCBF, DNA repair protein XRCC5, G22P2, KARP-1, Ku autoantigen, 80kDa, NFIV, KARP1, Ku86, KUB2, TLAA, Nuclear factor IV, KU80, Thyroid-lupus autoantigen
ACCESSION NO.:	P13010
PROTEIN GI NO.:	125731
OFFICIAL SYMBOL:	XRCC5
GENE ID:	7520

Background

BACKGROUND: Originally identified as an autoantigen, the Ku protein are nuclear proteins found in eukaryotes. They exist as a heterodimer consisting of Ku 70 and Ku 80, migrating at approximately 70 and 80 kDa respectively. They bind to DNA ends at double strand breaks. The Ku proteins interact with the DNA-dependent protein kinase (DNA-PK) and participate in the targeting of DNA-PK to DNA. The Ku proteins may participate in numerous cellular processes, including DNA repair and replication, cell signalling, cell proliferation, transcriptional activation and apoptosis.

FOR RESEARCH USE ONLY

December 13, 2016