BT LAB
Bioassay Technology Laboratory
Optimize Your Research

XRCC4 Monoclonal Antibody(5C10)

Description

Product type	Primary Antibody
Code	BT-MCA0081
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of XRCC4
Mol wt	38287
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, IP
Concentration	1 mg/ml
Full name	DNA repair protein XRCC4
Synonyms	XRCC4; DNA repair protein XRCC4; X-ray repair cross-complementing protein 4

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene functions together with DNA ligase IV and the DNA-dependent protein kinase in the repair of DNA double-strand breaks. This protein plays a role in both non-homologous end joining and the completion of V(D)J recombination. Mutations in this gene can cause short stature, microcephaly, and endocrine dysfunction (SSMED). Alternative splicing generates several transcript variants.

Recommended Dilution

IF: 1:200

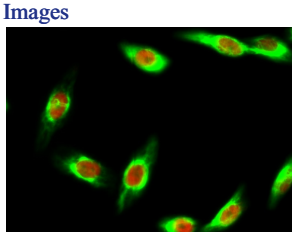
IHC: 1:50-300

IP: 1:200

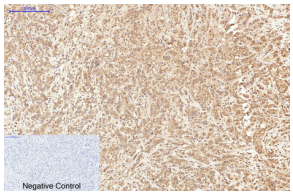
WB: 1:2000

Not yet tested in other applications.

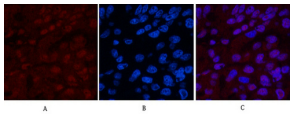
Images



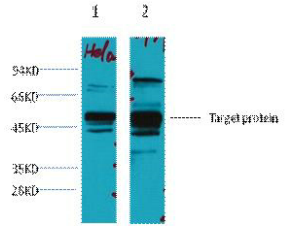
Immunofluorescence analysis of Hela cell. Bak Polyclonal Antibody(green) was diluted at 1:200(4°C overnight). (red) was diluted at 1:200(4°C overnight).



Immunohistochemical analysis of paraffin-embedded Human-breast-cancer tissue. 1.XRCC4 Monoclonal antibody(5C10) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-liver-cancer tissue. 1.XRCC4 Monoclonal antibody(5C10) (red) was diluted at 1:200(4°C,overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) Hela, 2) 293T diluted at 1:3000.

Storage

-20°C for one year

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