

XRCC4 (7C10) Mouse mAb

db6445

Package : 50μL 100μL

Product Name : XRCC4 (7C10) Mouse mAb**Cat.No.:** db6445**Synonyms** : X ray repair cross complementing protein 4; DNA repair protein XRCC4; DNA double strand break repair**Application** : WB, IHC-P, ICC/IF, IP**Reactivity** : Human, Mouse, Rat**Host species** : Mouse**Background**

Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. Binds to DNA and to DNA ligase IV (LIG4). The LIG4-XRCC4 complex is responsible for the NHEJ ligation step, and XRCC4 enhances the joining activity of LIG4. Binding of the LIG4-XRCC4 complex to DNA ends is dependent on the assembly of the DNA-dependent protein kinase complex DNA-PK to these DNA ends.

Immunogen

Synthetic Peptide of XRCC4

Gene ID

7518

Swiss Prot

Q13426

Synonyms

X ray repair cross complementing protein 4; DNA repair protein XRCC4; DNA double strand break repair

Reactivity

Human, Mouse, Rat

Application

WB, IHC-P, ICC/IF, IP

Recommended dilution

WB: 1:500-1:1000

IHC: 1:50-1:100

ICC/IF: 1:50-1:200

IP: 1:20

Calculated MW

38 kDa

Observed MW

38-45 kDa

Host species

Mouse

Clonality

Monoclonal

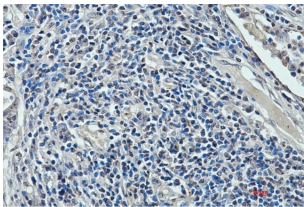
Clonality No.

7C10-5H8-4F8

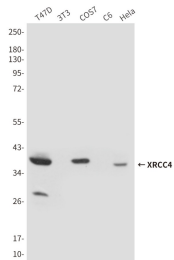
Isotype

IgG1

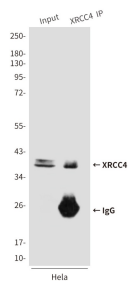
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Immunohistochemistry analysis of paraffin-embedded XRCC4 in Human lung cancer using XRCC4 (7C10) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of XRCC4 (7C10) in XRCC4 in T47D, 3T3, COS7, C6 and Hela lysates using XRCC4 (7C10) antibody



Immunoprecipitation analysis of XRCC4 in Hela lysates using XRCC4 antibody.