XRCC4 Monoclonal Antibody

catalog number: **E-AB-22044**

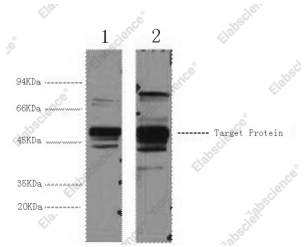
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	Mouse IgG
Clone	8K2
Purification	Protein A purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-300
IF	1:50-1:200
IP	1:100-1:300

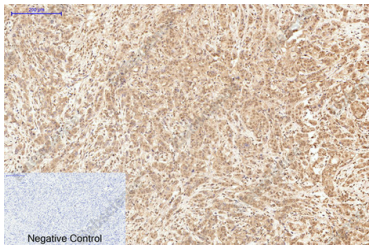
Data



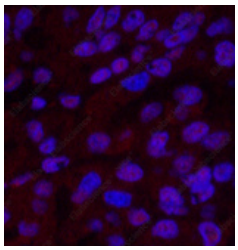
Western Blot analysis of 1) Hela, 2) 293T cells using XRCC4 Monoclonal Antibody at dilution of 1:3000.

Observed-MW:38 kDa

Calculated-MW:38 kDa



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using XRCC4 Monoclonal Antibody at dilution of 1:200.



Immunofluorescence analysis of Human liver cancer tissue using XRCC4 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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.

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