

Mouse XRCC4 Monoclonal Antibody | anti-XRCC4 antibody

XRCC4 antibody

CATALOG # AAA107058	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

XRCC4; Monoclonal Antibody; XRCC4 antibody; Monoclonal XRCC4; Anti-XRCC4; X-Ray Repair Complementing Defective Repair In Chinese Hamster Cells 4; XRCC 4; XRCC-4; anti-XRCC4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4H9
Purity/Purification	XRCC4 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	336
Applicable Applications for anti-XRCC4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	XRCC4 functions together with DNA ligase IV and the DNA-dependent protein kinase in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events. The non-homologous end-joining pathway is required both for normal development and for suppression of tumors. This gene functionally complements XR-1 Chinese hamster ovary cell mutant, which is impaired in DNA double-strand breaks produced by ionizing radiation and restriction enzymes.
Cross-Reactivity	Human
Immunogen	XRCC4 antibody was raised in mouse using a protein expressed in 293T cell transfected with human XRCC4 expression vector as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant XRCC4 protein (Right) or empty vector (Left) detected with XRCC4 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of XRCC4 protein in paraffin embedded Human colon tissue using XRCC4 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-XRCC4 antibody	Mouse monoclonal XRCC4 antibody
Product Categories/Family for anti-XRCC4 antibody	DNA & RNA

NCBI AND UNIPROT INFORMATION

NCBI GI #	12081905
NCBI GeneID	7518
UniProt Accession #	Q13426; Q9BS72; Q9UP94; A8K3X4
Molecular Weight	35,372 Da
NCBI Official Full Name	XRCC4
NCBI Official Synonym Full Names	X-ray repair complementing defective repair in Chinese hamster cells 4
NCBI Official Symbol	XRCC4
NCBI Protein Information	DNA repair protein XRCC4
UniProt Protein Name	DNA repair protein XRCC4
UniProt Gene Name	XRCC4
UniProt Entry Name	XRCC4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/xrcc4-antibody-clone-4h9-western-blot-immunohistochemistry-elisa/107058>