Mouse NHEJ1 Monoclonal Antibody | anti-NHEJ1 antibody

NHEJ1 antibody

CATALOG #	HOST	APPLICATIONS
AAA106933	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

NHEJ1; Monoclonal Antibody; NHEJ1 antibody; Monoclonal NHEJ1; Anti-NHEJ1; Nonhomologous end-joining factor 1; XLF; Protein cernunnos; XRCC4-like factor; Cernunnos; NHEJ 1; NHEJ-1; anti-NHEJ1 antibody

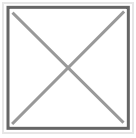
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2C8
Purity/Purification	NHEJ1 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	299
Applicable Applications for anti-NHEJ1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Double-strand breaks in DNA result from genotoxic stresses and are among the most damaging of DNA lesions. This gene encodes a DNA repair factor essential for the non homologous end-joining pathway, which preferentially mediates repair of double-stranded breaks.
Cross-Reactivity	Human
Immunogen	NHEJ1 antibody was raised in mouse using a full length recombinant protein of human NHEJ1 (NP_079058) produced in HEK293T cells, 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

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant NHEJ1 protein using NHEJ1 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant NHEJ1 protein (Right) or empty vector (Left) detected with NHEJ1 antibody



FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant NHEJ1 protein (red) or empty vector (blue) stained using NHEJ1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-NHEJ1 antibody	Mouse monoclonal NHEJ1 antibody
Product Categories/Family for anti-NHEJ1 antibody	DNA & RNA

NCBI AND UNIPROT INFORMATION

NCBI GI #	13376142
NCBI GeneID	79840
NCBI Accession #	NP_079058
NCBI GenBank Nucleotide #	NM_024782.2
UniProt Accession #	Q9H9Q4; Q4ZFW7; Q6IA64; Q96JS9; B8ZZA4
Molecular Weight	35,291 Da
NCBI Official Full Name	non-homologous end-joining factor 1
NCBI Official Synonym Full Names	nonhomologous end-joining factor 1
NCBI Official Symbol	NHEJ1
NCBI Official Synonym Symbols	XLF
NCBI Protein Information	non-homologous end-joining factor 1
UniProt Protein Name	Non-homologous end-joining factor 1
UniProt Gene Name	**NHEJ1**
UniProt Synonym Gene Names	XLF
UniProt Entry Name	NHEJ1_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/nhej1-antibody-clone-2c8-western-blot-immunofluorescence-flow-cytometry-elisa/106933