OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for CF502006

XLF (NHEJ1) Mouse Monoclonal Antibody [Clone ID: OTI2C8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C8
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:500~2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NHEJ1 (NP_079058) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33.2 kDa
Gene Name:	non-homologous end joining factor 1
Database Link:	NP_079058 Entrez Gene 701542 MonkeyEntrez Gene 79840 Human Q9H9Q4

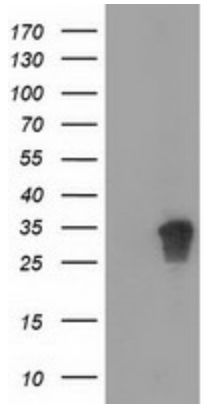
View online »

Background: 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 nonhomologous end-joining pathway, which preferentially mediates repair of double-stranded breaks. Mutations in this gene cause different kinds of severe combined immunodeficiency disorders. [provided by RefSeq, Jul

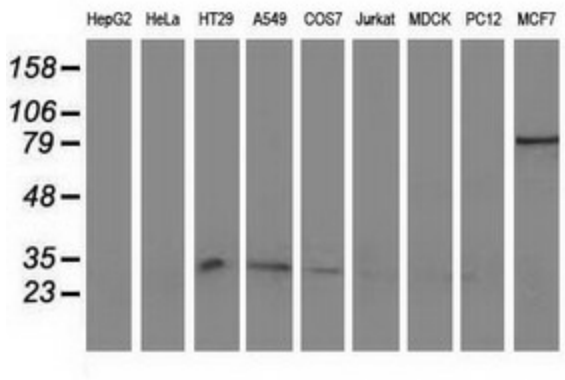
Synonyms: XLF

Protein Pathways: Non-homologous end-joining

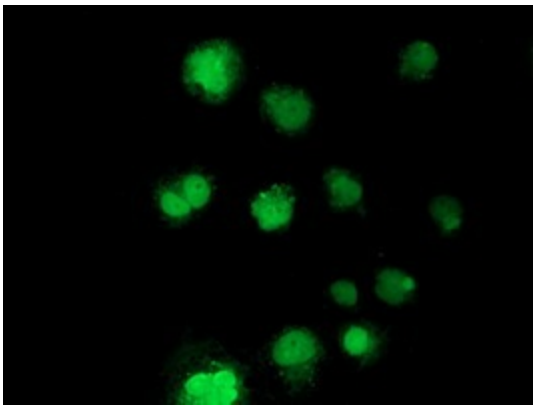
Product images:



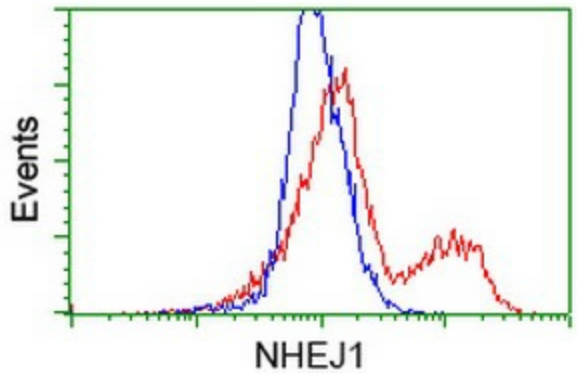
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NHEJ1 ([RC203393], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NHEJ1. Positive lysates [LY403031] (100ug) and [LC403031] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NHEJ1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Anti-NHEJ1 mouse monoclonal antibody ([TA502006]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NHEJ1 ([RC203393]).



HEK293T cells transfected with either [RC203393] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-NHEJ1 antibody ([TA502006]), and then analyzed by flow cytometry.