

Product datasheet for TA502160

XLF (NHEJ1) Mouse Monoclonal Antibody [Clone ID: OTI1E2]

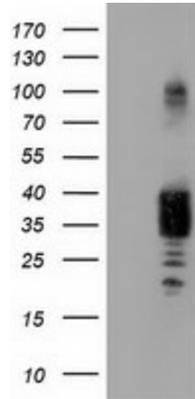
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1E2
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Monkey, Rat, Dog
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NHEJ1 (NP_079058) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.92 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	33.2 kDa
Gene Name:	non-homologous end joining factor 1
Database Link:	NP_079058 Entrez Gene 363251 RatEntrez Gene 610570 DogEntrez Gene 701542 MonkeyEntrez Gene 79840 Human
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]
Synonyms:	XLF
Protein Pathways:	Non-homologous end-joining

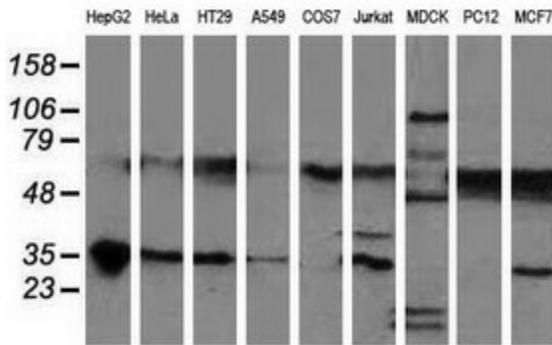


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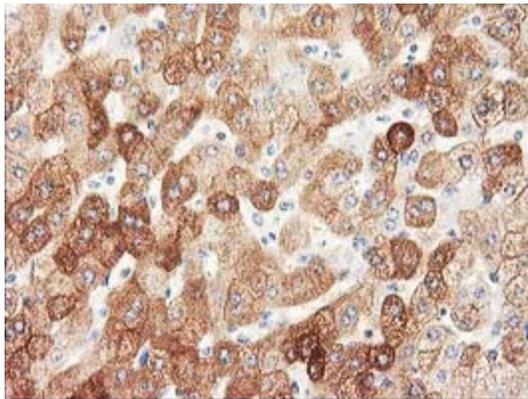
Product images:



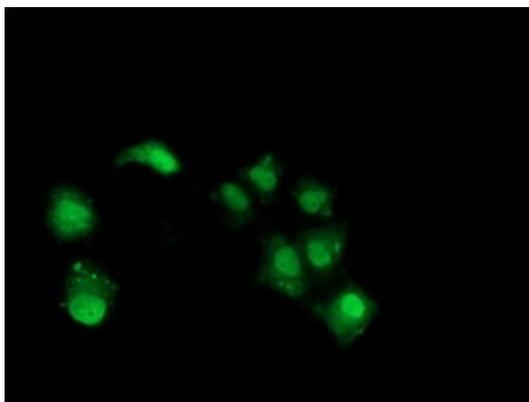
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NHEJ1 ([RC203393], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NHEJ1. Positive lysates [LY403031] (100ug) and [LC403031]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



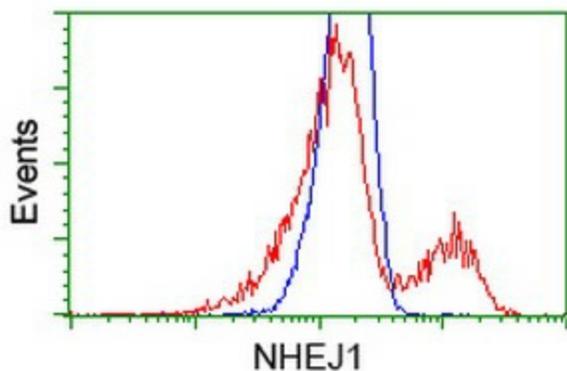
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NHEJ1 monoclonal antibody.



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-NHEJ1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502160)



Anti-NHEJ1 mouse monoclonal antibody (TA502160) 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 (TA502160), and then analyzed by flow cytometry.