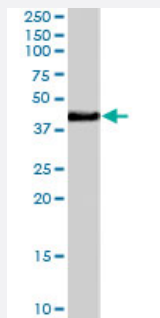


NHEJ1 polyclonal antibody

Catalog # PAB7119

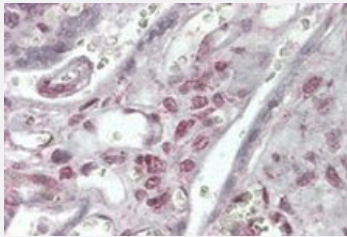
Size 100 ug

Applications



Western Blot (Tissue lysate)

NHEJ1 polyclonal antibody (Cat # PAB7119) (0.1 ug/mL) staining of human thyroid lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

NHEJ1 polyclonal antibody (Cat # PAB7119) (3.8 ug/mL) staining of paraffin embedded human placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NHEJ1.
Immunogen	A synthetic peptide corresponding to C terminus of human NHEJ1.
Sequence	C-QRPQLSKVKRKKPR
Host	Goat
Theoretical MW (kDa)	33.3
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:64000) Western Blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2.5-3.8 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — NHEJ1

Entrez GeneID	79840
Protein Accession#	NP_079058.1
Gene Name	NHEJ1
Gene Alias	FLJ12610, XLF
Gene Description	nonhomologous end-joining factor 1
Omim ID	611290
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

Cernunnos|XRCC4-like factor

Publication Reference

- [XLF interacts with the XRCC4-DNA ligase IV complex to promote DNA nonhomologous end-joining.](#)

Ahnesorg P, Smith P, Jackson SP.

Cell 2006 Jan; 124(2):301.

Application: IF, IP-WB, WB-Ce, WB-Tr, Human, HeLa, 293T, U2OS, 2BN, MRC5, BJ, 2BN-C237 cells

Pathway

- [Non-homologous end-joining](#)

Disease

- [Breast cancer](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Recurrence](#)
- [Werner syndrome](#)