



Goat anti-XRCC4-like factor / NHEJ1 Antibody

Item Number	dAP-0948
Target Molecule	Principle Name: XRCC4-like factor / NHEJ1; Official Symbol: NHEJ1; All Names and Symbols: NHEJ1; XRCC4-like factor; nonhomologous end-joining factor 1; FLJ12610; XLF ; Cernunnos; Accession Number (s): NP_079058.1; Human Gene ID(s): 79840; Non-Human GeneID(s):
Immunogen	QRPQLSKVKRKKPR, is from C Terminus
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Approx 38kDa band observed in lysates of Human Skin, Testis and Thyroid gland (calculated size of 33.3kDa according to NP_079058.1). The observed molecular weight corresponds to findings with antibodies from other sources. The 38kDa band w
IHC	Immunohistochemistry: In paraffin embedded Human Placenta shows nuclear staining in trophoblasts. Recommended concentration, 2.5-3.8µg/ml.
Reference	Reference(s): Ahnesorg P, Smith P, Jackson SP. XLF interacts with the XRCC4-DNA ligase IV complex to promote DNA nonhomologous end-joining. Cell. 2006 Jan 27;124(2):301-13. .PMID: 16439205 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**