



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07440 - Goat Anti-XRCC4-like factor / NHEJ1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NHEJ1, XRCC4-like factor, nonhomologous end-joining factor 1, FLJ12610, XLF, Cernunnos

**Official Symbol:** NHEJ1

**Accession Number(s):** NP\_079058.1

**Human GeneID(s):** [79840](#)

### Immunogen

Peptide with sequence C-QRPQLSKVKRKKPR, from the C Terminus of the protein sequence according to NP\_079058.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**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 was successfully blocked by incubation with the immunizing peptide. Recommended concentration 0.1-0.3µg/ml.

**IHC:** In paraffin embedded Human Placenta shows nuclear staining in trophoblasts. Recommended concentration, 2.5-3.8µg/ml.

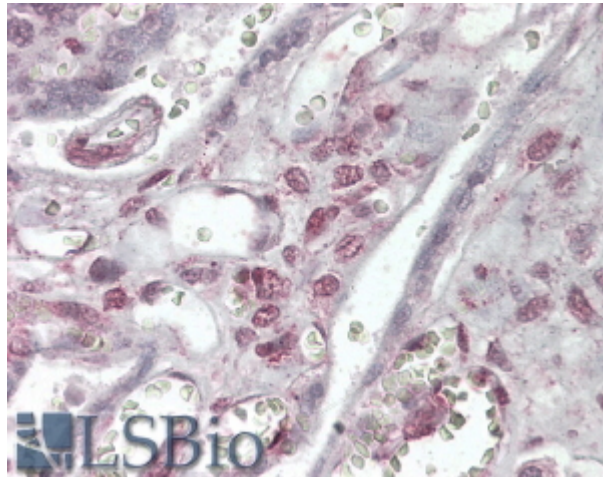
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Dog



EB07440 (0.1 $\mu$ g/ml) staining of Human Thyroid lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB07440 (3.8 $\mu$ g/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.