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Product datasheet for TA302637

XLF (NHEJ1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF, IHC, PEP-ELISA
Recommended Dilution:	ELISA: 1:64,000. WB: 0.1-0.3µg/ml.
Reactivity:	Human (Expected from sequence similarity: Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-QRPQLSKVKRKKPR, from the C Terminus of the protein sequence according to NP_079058.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	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.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36962 Da
Gene Name:	non-homologous end joining factor 1
Database Link:	NP_079058 Entrez Gene 610570 DogEntrez Gene 79840 Human Q9H9Q4
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]

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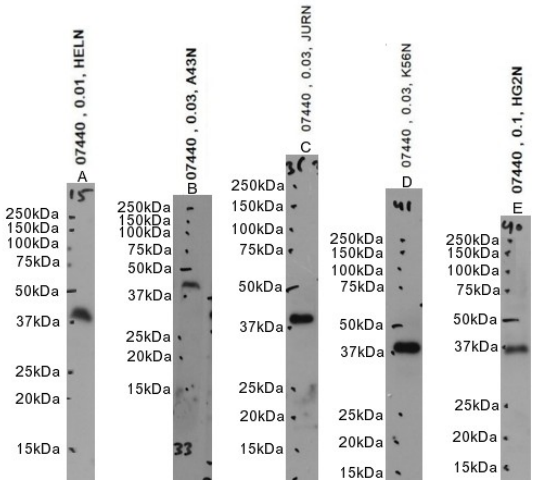
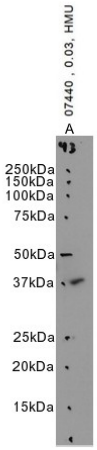
Synonyms: XLF

Protein Pathways: Non-homologous end-joining

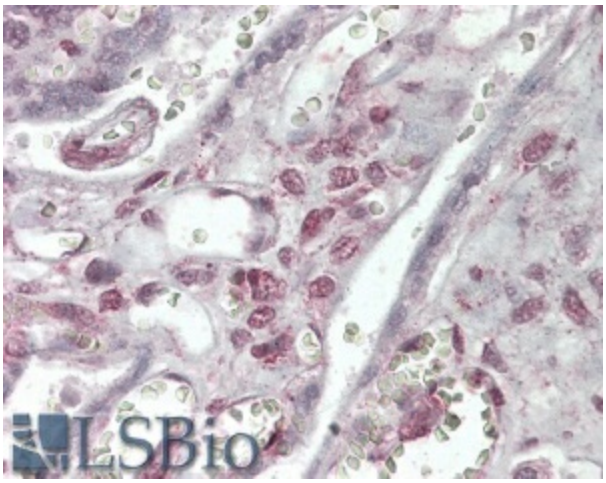
Product images:



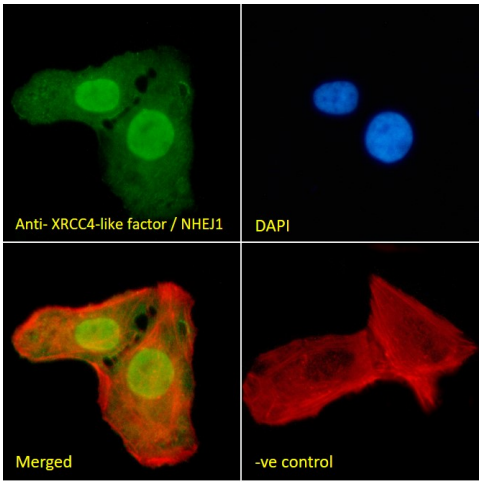
TA302637 optimised QC. Primary incubation 1 hour at room temperature.
Image A: HeLa nuclear cell lysate at primary Ab concentration 0.01µg/ml, Images B, C, D: A431, Jurkat, K562 nuclear cell lysate at primary Ab concentration 0.03µg/ml, Image E: HepG2 nuclear cell lysate at primary Ab concentration 0.1µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



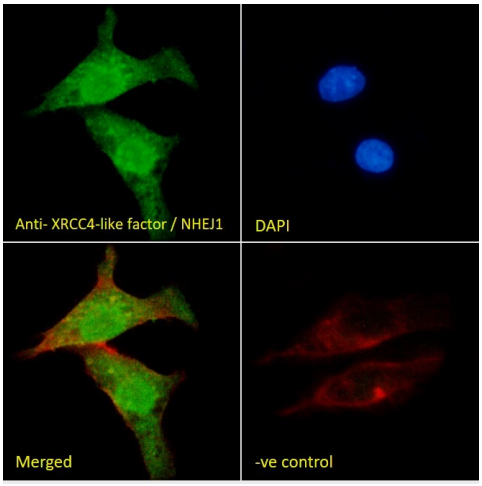
TA302637 optimised QC. Primary incubation 1 hour at room temperature.
Image A: Human Skeletal muscle lysate at primary Ab concentration 0.03ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



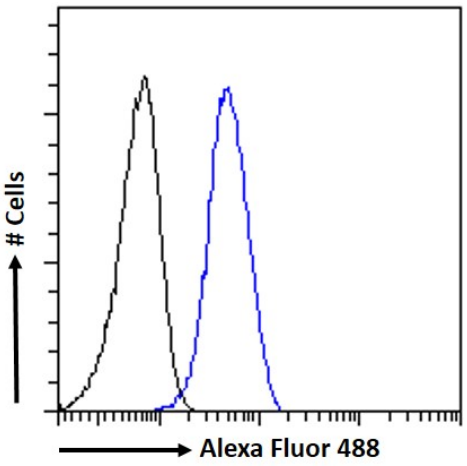
TA302637 (3.8µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



TA302637 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



TA302637 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



TA302637 Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.