Product Datasheet

XRCC4-like factor/NHEJ1 Antibody (orb19337)

Catalog Number	orb19337
Category	Antibodies
Description	Goat polyclonal antibody to NHEJ1
Target	XRCC4-like factor / NHEJ1
Clonality	Polyclonal
Species/Host	Goat
Conjugation	Unconjugated
Reactivity	Human
Predicted Reactivity	Canine
Buffer/Preservatives	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Protein Sequence	QRPQLSKVKRKKPR
RRID	AB_10747536
MW	33.3
Tested applications	ELISA, FC, IF, IHC, WB
Dilution range	ELISA: 1:64000, WB: 0.1-0.3 µg/ml, IHC-P: 2.5-3.8µg/ml

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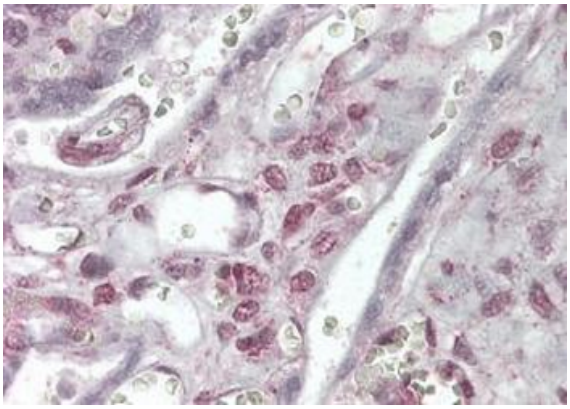
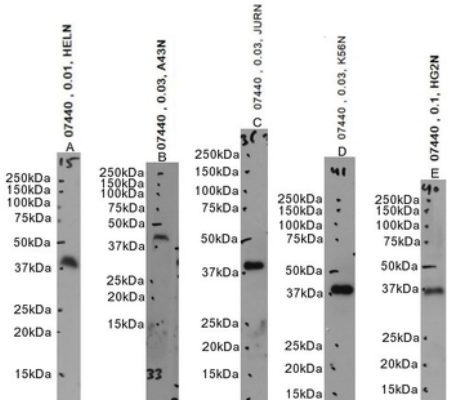
Application notes	ELISA: Peptide ELISA: antibody detection limit dilution 1:64000.WB: Approx 38kDa band observed in lysates of Human Skin, Testis and Thyroid gland (calculated size of 33.3kDa according to NP_079058.1). The observed molecular weight corresponds to findings with antibodies from other sources. The 38kDa band was successfully blocked by incubation with the immunizing peptide. Recommended concentration 0.1-0.3 µg/ml.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	**79840**
Expiration Date	12 months from date of receipt.



3.8 µg/ml staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH6, AP-staining.



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

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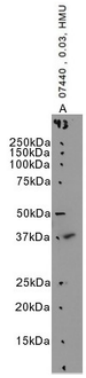
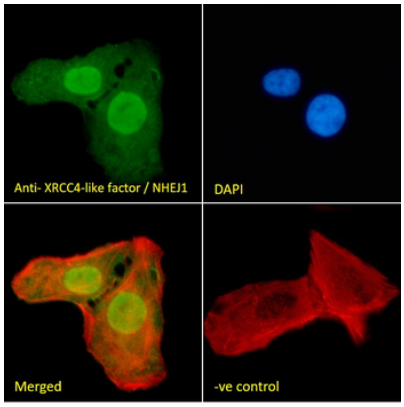
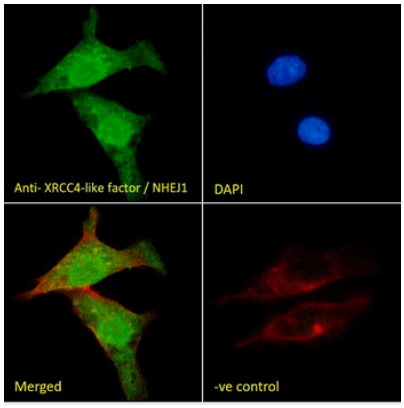


Primary incubation 1 hour at room temperature. Image A: Human Skeletal muscle lysate at primary Ab concentration 0.03 ug/ml. (Loaded 35 µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



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



Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/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 (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml).

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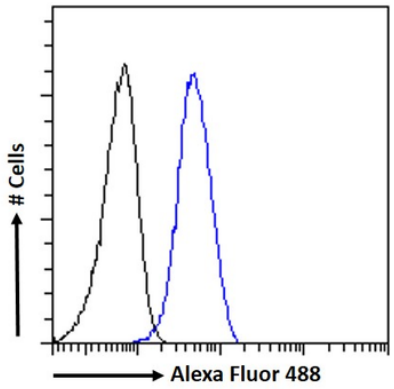

Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (1 ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

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