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EB07784 - Goat Anti-ILF2 / NF45 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ILF2, NF45, interleukin enhancer binding factor 2, 45kDa, MGC8391, PRO3063, interleukin enhancer binding factor 2, nuclear factor of activated T-cells, 45-kDa

Official Symbol: ILF2

Accession Number(s): NP_004506.2; NP_001254738.1

Human GeneID(s): 3608

Non-Human GenelD(s): 67781 (mouse), 310612 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_004506.2; NP_001254738.1).

Immunogen

Peptide with sequence C-EKAYEKPPEKKEG, from the internal region (near the C Terminus) of the protein sequence according to NP_004506.2; NP_001254738.1.

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 1:4000.

Western blot: Approx 43kDa band observed in Human Tonsil and Thymus lysates (calculated MW of 43.1kDa according to NP_004506.2). Recommended concentration: 0.03-0.1μg/ml. This antibody has been successfully used in WB in the following papers: Ye J et al, RNA. 2017 Aug;23(8):1270-1284. PMID: 28487382. And Shamanna RA et al, Oncogene. 2013 Oct 24;32(43):5176-85 PMID: 23208500.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog

Specific References

This antibody has been successfully used in WB and IP on ESCs:

Ye J, Jin H, Pankov A, Song J, Blelloch R.

NF45 and NF90/NF110 coordinately regulate ESC pluripotency and differentiation

RNA. 2017 Aug;23(8):1270-1284.

PMID: 28487382

This antibody has been successfully used in WB on Human:

Shamanna RA, Hoque M, Pe'ery T, Mathews MB.

Induction of p53, p21 and apoptosis by silencing the NF90/NF45 complex in human papilloma virus-transformed cervical carcinoma cells.

Oncogene. 2013 Oct 24;32(43):5176-85

PMID: 23208500

This antibody (previous batch) has been successfully used in WB and IP on HeLa cells:

Shamanna RA, Hoque M, Lewis-Antes A, Azzam EI, Lagunoff D, Pe'ery T, Mathews MB. The NF90/NF45 complex participates in DNA break repair via nonhomologous end joining.

Mol Cell Biol. 2011 Dec;31(23):4832-43.

PMID: 21969602



EB07784 (0.03μg/ml) staining of Human Tonsil lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.