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

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 GeneID(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, Blueloch 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.

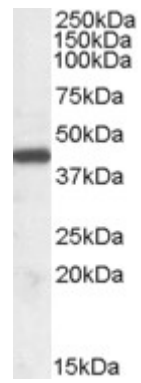
Induction of p53, p21 and apoptosis by silencing the NF90/NF45 complex in human papilloma virus-transformed cervical carcinoma cells.

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.