

## International Office

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

## EB07895 - Goat Anti-NCF4 / P40PHOX Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NCF4, P40PHOX, neutrophil cytosolic factor 4, 40kDa, CTA-833B7.1, MGC3810, NCF, SH3PXD4, OTTHUMP00000028736, OTTHUMP00000043756, neutrophil NADPH oxidase factor 4, neutrophil cytosol factor 4, neutrophil cytosolic factor 4 (40kD)

**Official Symbol:** NCF4

**Accession Number(s):** NP\_000622.2; NP\_038202.1

**Human GeneID(s):** [4689](#)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_000622.2 and NP\_038202.1).

### Immunogen

Peptide with sequence C-KDFPEEDDPTN, from the internal region of the protein sequence according to NP\_000622.2; NP\_038202.1.

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 1:32000.

**Western blot:** Approx. 38kDa band observed in lysates of cell line Daudi (calculated MW of 39.0kDa according to NP\_000622.2 and 38.8kDa according to NP\_038202.1). In transfected HEK293 transiently expressing P40PHOX a band of approx. 42kDa is observed. This band is not observed in the non-transfected HEK293. Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Tonsil and Spleen. Recommended concentration: 2.5µg/ml.

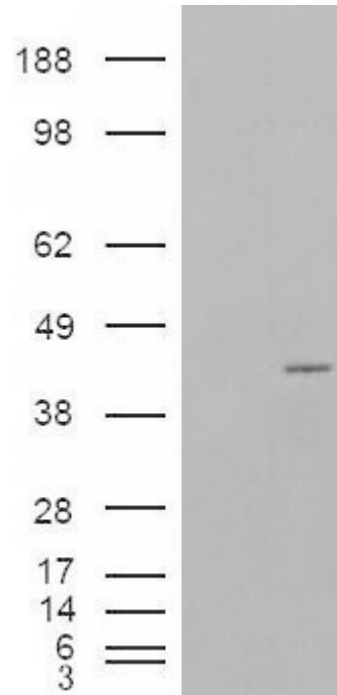
### Species Reactivity

**Tested:** Human

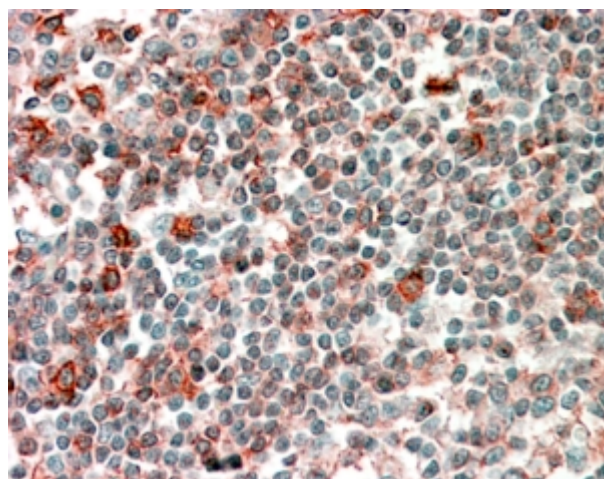
**Expected from sequence similarity:** Human



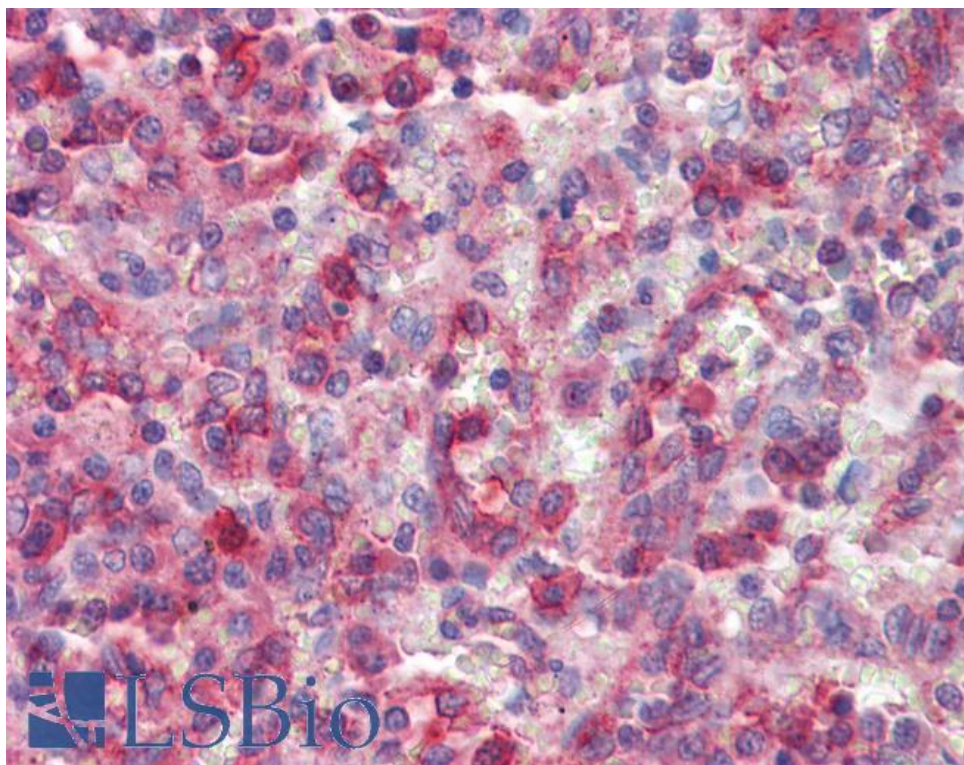
EB07895 (0.5µg/ml) staining of Daudi cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



HEK293 overexpressing P40PHOX (RC201191) and probed with EB07895 (mock transfection in first lane), tested by Origene.



EB07895 (2.5µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07895 (2.5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.