

## International Office

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

## EB11392 - Goat Anti-STAT5A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MGF, signal transducer and activator of transcription 5A, STAT5, STAT5A

**Official Symbol:** STAT5A

**Accession Number(s):** NP\_003143.2

**Human GeneID(s):** [6776](#)

**Non-Human GeneID(s):** 20850 (mouse), 24918 (rat)

**Important Comments:** This antibody is not expected to cross-react with STAT5B.

### Immunogen

Peptide with sequence C-DSRLSPAGLFTSAR, from the C Terminus of the protein sequence according to NP\_003143.2.

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 1:128000.

**Western blot:** Approx 100kDa band observed in lysates of cell line NIH3T3 and in Mouse Lymph node lysates and approx. 90-100kDa in lysates of cell line K562 (calculated MW of 90.6kDa according to Human NP\_003143.2 and 90.8kDa according to Mouse NP\_001349609.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Tonsil. Recommended concentration: 6-8µg/ml.

**Additional validation:** This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific Reference

**This antibody has been successfully used in the following paper:**

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdengen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

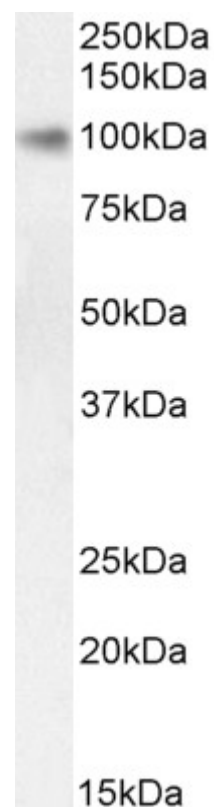
A high-throughput pipeline for validation of antibodies

Nat Methods. 2018 Nov;15(11):909-912

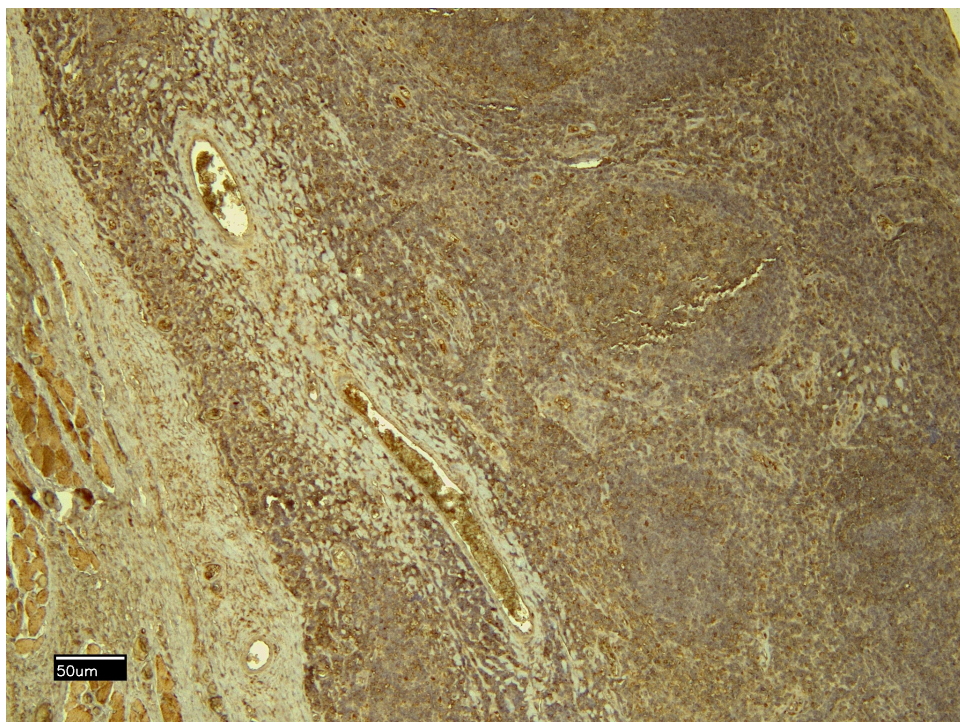
PMID: 30377371



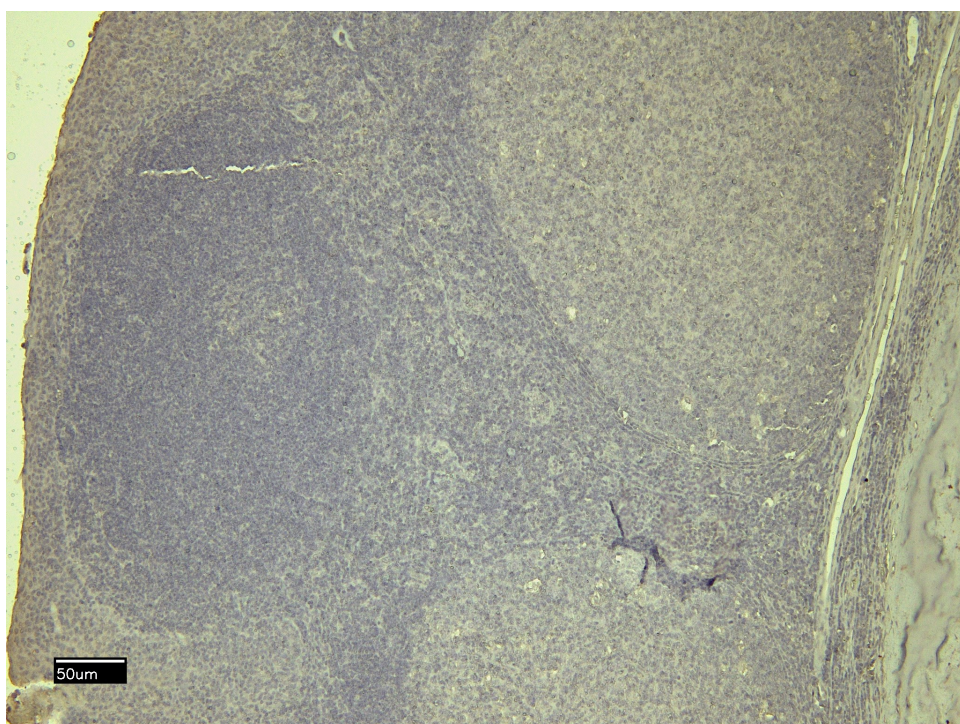
EB11392 (0.5 $\mu$ g/ml) staining of K562 (A) and (0.3 $\mu$ g/ml) NIH3T3 (B) cell lysate (35 $\mu$ g protein in RIPA buffer).. Detected by chemiluminescence.



EB11392 (0.5 $\mu$ g/ml) staining of Mouse Lymph node lysate (35 $\mu$ g protein in RIPA buffer).. Detected by chemiluminescence.



EB11392 (8µg/ml) staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB11392 Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.