

## International Office

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

## EB07115 - Goat Anti-STMN1 / Stathmin 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** STMN1, stathmin 1/oncoprotein 18, LAP18, Lag, OP18, PP17, PP19, PR22, SMN, Pr22 protein, leukemia-associated phosphoprotein p18, metastasin, oncoprotein 18, phosphoprotein 19, prosolin, stathmin 1, stathmin 1 variant

**Official Symbol:** STMN1

**Accession Number(s):** NP\_005554.1; NP\_981944.1; NP\_981946.1

**Human GeneID(s):** [3925](#)

**Important Comments:** This antibody is expected to cross-react with isoform 1 a (NP\_005554.1; NP\_981944.1; NP\_981946.1) only. The three reported isoforms (NP\_005554.1, NP\_981944.1 and NP\_981946.1) represent identical protein.

### Immunogen

Peptide with sequence C-KNKESKDPADETEAD, from the C Terminus of the protein sequence according to NP\_005554.1; NP\_981944.1; NP\_981946.1.

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 1:1000.

**Western blot:** Approx 17kDa band observed in Human Testis and Mouse Brain lysates (calculated MW of 17.3kDa according to NP\_005554.1, NP\_981944.1 and NP\_981946.1). Recommended concentration: 1-3µg/ml.

**IHC:** Paraffin embedded Human Thymus and Tonsil. Recommended concentration: 3.75µg/ml.

**ELISA:** This antibody has been successfully used in ELISA as described in the following paper: Song et al, Aging Cell. 2010 Aug;9(4):607-15; PMID: 20560902.

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific References

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

Watabe-Rudolph M, Song Z, Lausser L, Schnack C, Begus-Nahrmann Y, Scheithauer MO, Rettinger G, Otto M, Tumani H, Thal DR, Attems J, Jellinger KA, Kestler HA, von Arnim CA, Rudolph KL.

Chitinase enzyme activity in CSF is a powerful biomarker of Alzheimer disease. Neurology. 2012 Feb 21;78(8):569-77.

PMID: 22323746

**This antibody has been successfully used in ELISA:**

Song Z, von Figura G, Liu Y, Kraus JM, Torrice C, Dillon P, Rudolph-Watabe M, Ju Z, Kestler HA, Sanoff H, Lenhard Rudolph K.

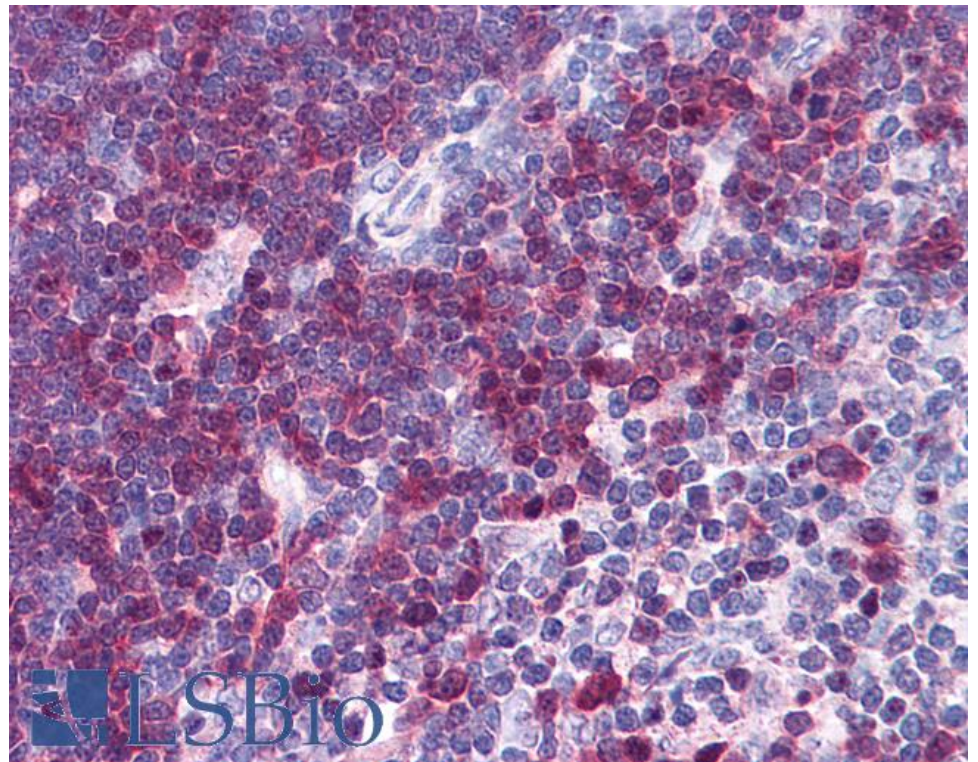
Lifestyle impacts on the aging-associated expression of biomarkers of DNA damage and telomere dysfunction in human blood.

Aging Cell. 2010 Aug;9(4):607-15.

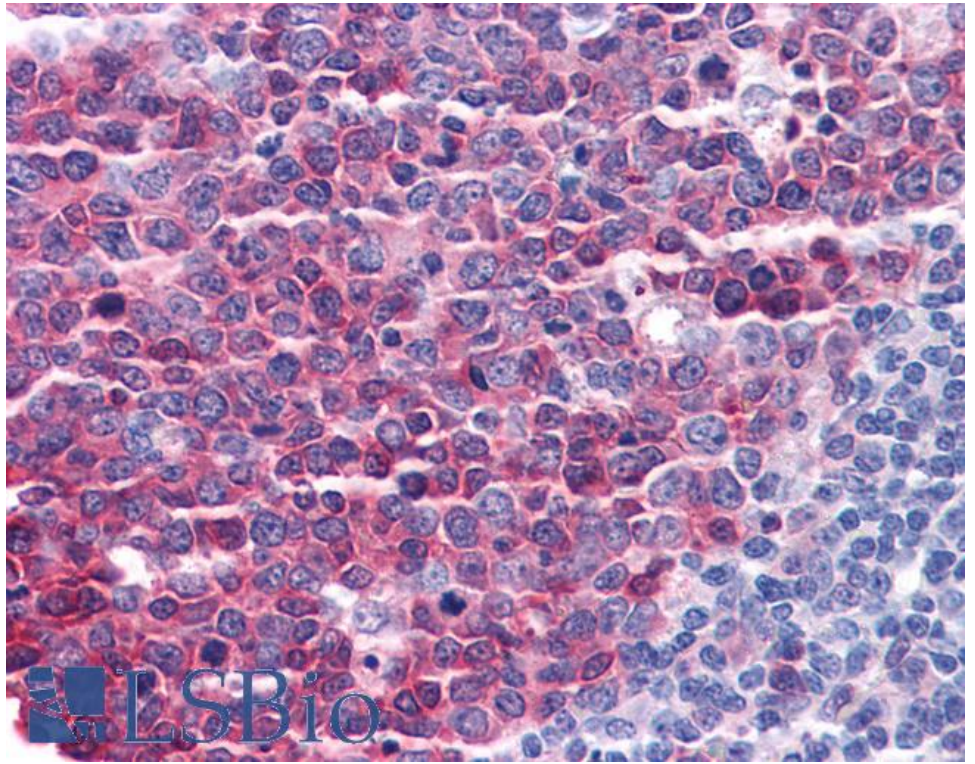
PMID: 20560902



EB07115 (1 $\mu$ g/ml) staining of Human Testis Lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.



EB07115 (3.75 $\mu$ g/ml) staining of paraffin embedded Human Thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07115 (3.75µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.