

## UK Office

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

## EB09590 - Goat Anti-eIF5A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** EIF5A, eukaryotic translation initiation factor 5A, EIF-5A, EIF5A1, MGC104255, MGC99547, eIF5AI, OTTHUMP00000128384, uORF A

**Official Symbol:** EIF5A

**Accession Number(s):** NP\_001137232.1

**Human GeneID(s):** [1984](#)

**Important Comments:** Reported variants NP\_001137233.1, NP\_001961.1 and NP\_001137234.1 represent identical protein:

### Immunogen

Peptide with sequence C-RPPHRASFLKRLESK, from the internal region (near N Terminus) of the protein sequence according to NP\_001137232.1.

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 1:128000.

**Western blot:** Approx 20kDa band observed in MOLT4 lysates (calculated MW of 20.2kDa according to NP\_001137232.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on Human, PMID: 27414022 and 33459432.

**IHC:** Paraffin embedded Human Spleen, Tonsil and Vessel. Recommended concentration: 3.75µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

### Specific References

**This antibody has been successfully used in Western blot on Human:**

Karina D Pereira, Leticia Tamborlin, Tanes I de Lima, Silvio R Consonni, Leonardo R Silveira, Augusto D Luchessi

Alternative human eIF5A protein isoform plays a critical role in mitochondria  
J Cell Biochem. 2021 Jan 18.

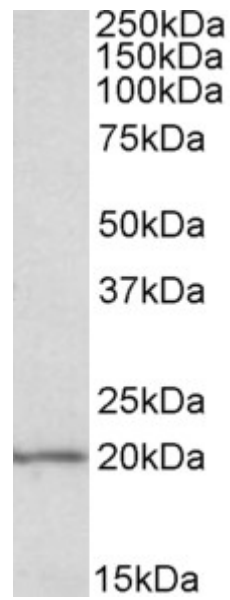
PMID: 33459432

**This antibody has been successfully used in Western blot on Human:**

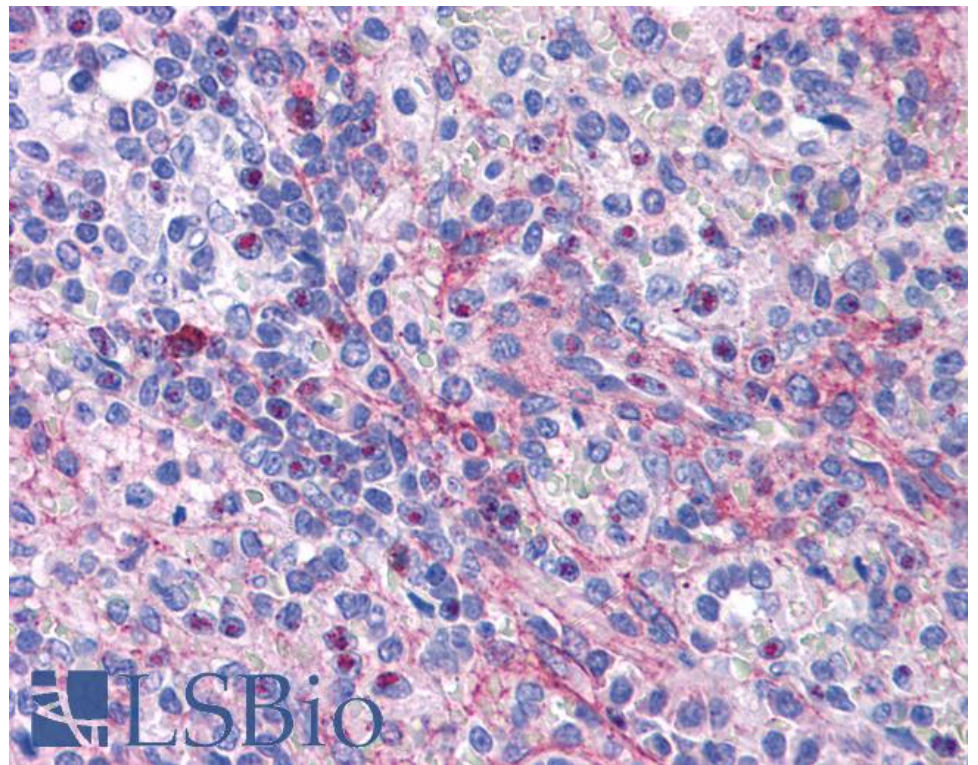
Pereira KD, Tamborlin L, Meneguello L, de Proença AR, Almeida IC, Lourenço RF, Luchessi AD.

Alternative Start Codon Connects eIF5A to Mitochondria.  
J Cell Physiol. 2016 Dec;231(12):2682-9.

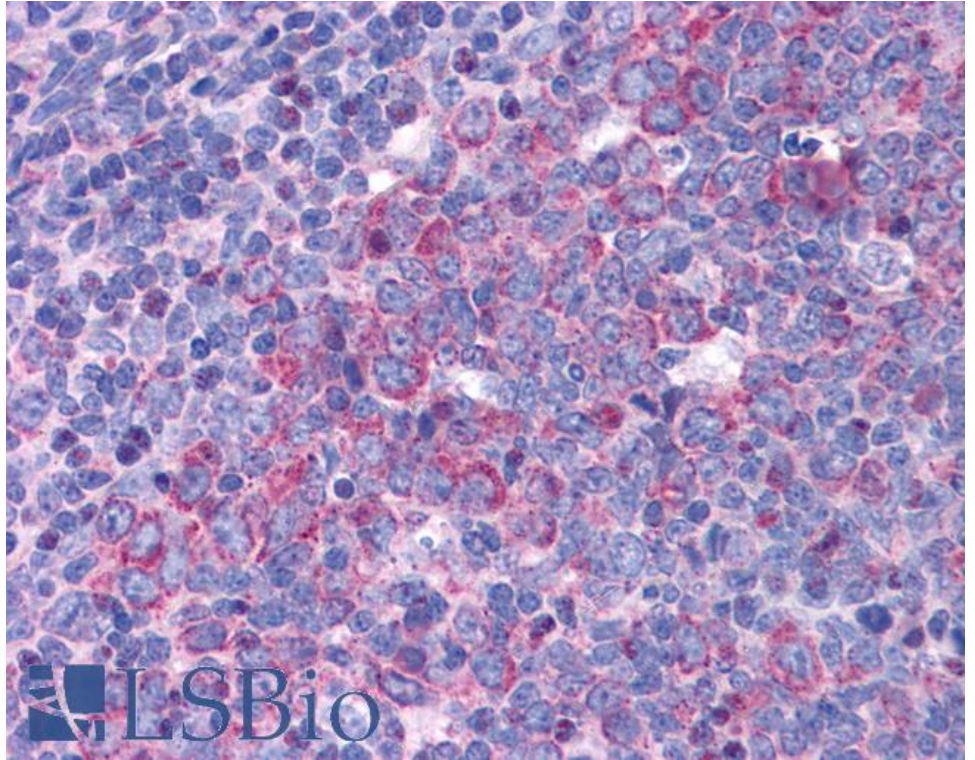
PMID: 27414022



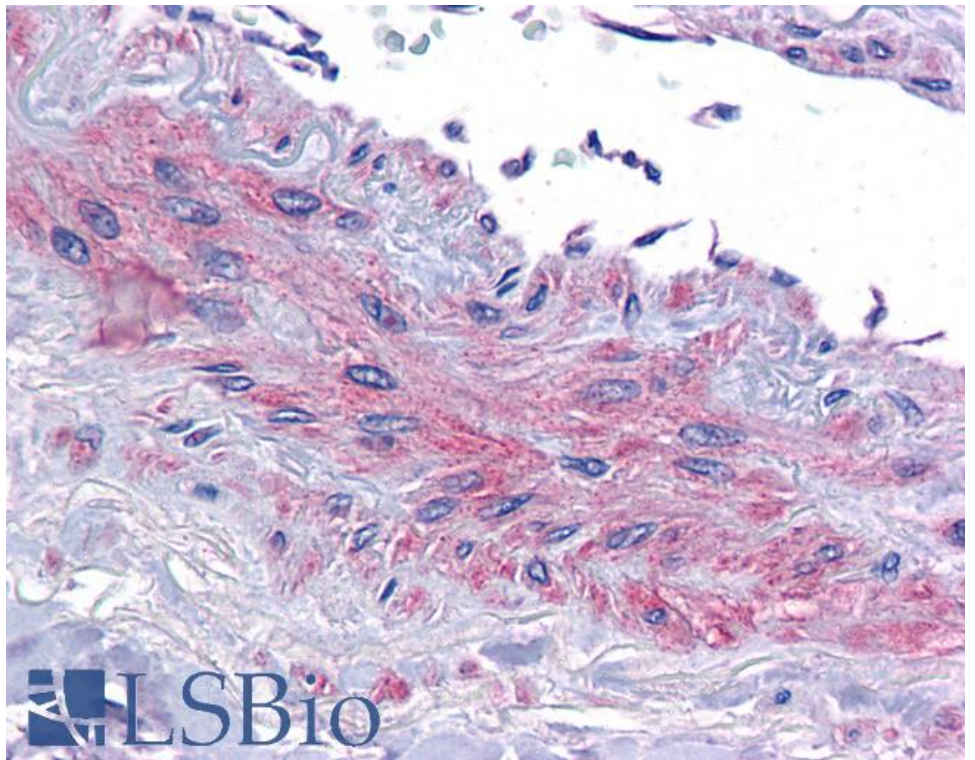
EB09590 (0.1µg/ml) staining of MOLT4 lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB09590 (3.75µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09590 (3.75µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09590 (3.75µg/ml) staining of paraffin embedded Human Vessel. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.