

#### **UK Office**

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## EB09152 - Goat Anti-Thrombospondin Antibody

Size: 100µg specific antibody in 200µl

### **Target Protein**

Principal Names: THBS1, thrombospondin 1, THBS, TSP, TSP1, thrombospondin-1p180 Official Symbol: THBS1 Accession Number(s): NP\_003237.2 Human GeneID(s): <u>7057</u>

#### Immunogen

Peptide with sequence NRIPESGGDNSVFD-C, from the N Terminus of the protein sequence according to NP\_003237.2.

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 150kDa band observed in Mouse Kidney lysates (calculated MW of 129kDa according to NP\_035710.2). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

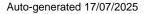
IHC: Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HeLa and HepG2 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

#### **Species Reactivity**

Tested: Human, Mouse Expected from sequence similarity: Human, Mouse, Rat, Cow



# EB09152 (1µg/ml) staining of Mouse Kidney lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09152 (5µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB9152 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.

EB09152 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).

EB09152 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic/Plasma Membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).

EB09152 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.