

## UK Office

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

## EB11521 - Goat Anti-APEG1 / SPEG Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** aortic preferentially expressed gene 1, aortic preferentially expressed protein 1, APEG1, APEG-1, BPEG, KIAA1297, MGC12676, nuclear protein, marker for differentiated aortic smooth muscle and down-regulated with vascular injury, OTTHUMP00000064868, OTTHUMP00000196351, OTTHUMP00000196352, OTTHUMP00000196353, SPEG, SPEG complex locus, SPEGalpha, SPEGbeta, striated muscle preferentially expressed protein kinase

**Official Symbol:** SPEG

**Accession Number(s):** NP\_005867.3

**Human GeneID(s):** [10290](#)

**Important Comments:** This antibody is expected to recognize isoform 1 only (NP\_005867.3).

### Immunogen

Peptide with sequence ERIARKPTVCESEIR, from the internal region of the protein sequence according to NP\_005867.3.

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:** Not yet tested - our routinely used western blotting protocol does not allow detection of proteins as large as the calculated size of 354kDa according to NP\_005867.3. Therefore we cannot recommend an optimal concentration and the antibody is an aspiring product. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human