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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