

#### **UK Office**

#### **Everest Biotech Ltd**

Cherwell Innovation Centre 77 Heyford Park

Upper Heyford Oxfordshire

**OX25 5HD** 

UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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# EB07541 - Goat Anti-Semaphorin 3E (internal) Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** SEMA3E, sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E, KIAA0331, M-SEMAH, M-SemaK, M-sema H, SEMAH, coll-5, sema domain, immunoglobulin domain (Ig), short basic domain, secreted,

3E, semaphorin 3E

Official Symbol: SEMA3E

Accession Number(s): NP\_036563.1; NP\_001171600.1

Human GenelD(s): 9723

Non-Human GenelD(s): 20349 (mouse)

Important Comments: This antibody is expected to recognise both reported isoforms

(NP\_036563.1; NP\_001171600.1).

#### **Immunogen**

Peptide with sequence C-NGGRYGTTKDYPDD, from the internal region of the protein sequence according to NP\_036563.1; NP\_001171600.1.

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.

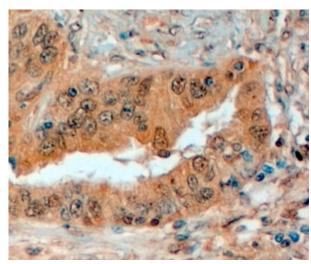
**Western blot:** Preliminary experiments gave an approx 35kDa band in Human Prostate lysates after 0.03μg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 89.2kDa according to NP\_036563.1. The 35kDa band was successfully blocked by incubation with the immunizing peptide.

**IHC:** In paraffin embedded Human Prostate shows membranous staining of secretory cells in the gland. Recommended concentration, 4-6µg/ml.

# **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig



EB07541 ( $4\mu g/ml$ ) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.