everest
an Absolute Biotech Company

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EB06661-Goat Anti-SEMA3E Antibody
Size: $100 \mu \mathrm{~g}$ specific antibody in $200 \mu \mathrm{l}$

## Target Protein

Principal Names: SEMA3E, SEMAH, coll-5, M-SEMAH, M-SemaK, KIAA0331, M-sema
H, sema domain, immunoglobulin domain (lg), short basic domain, secreted,
(semaphorin) 3E, sema domain, immunoglobulin domain (Ig), short basic domain, secreted, 3E
Official Symbol: SEMA3E
Accession Number(s): NP_036563.1; NP_001171600.1
Human GeneID(s): 9

## Immunogen

Peptide with sequence C-KPEHYRLPRHTLDS, from the C Terminus 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 $0.5 \mathrm{mg} / \mathrm{ml}$ in Tris saline, $0.02 \%$ sodium azide, pH 7.3 with $0.5 \%$ bovine serum albumin.

Aliquot and store at $-20^{\circ} \mathrm{C}$. Minimize freezing and thawing.

## Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.
IHC: In paraffin embedded Human Adrenal Medulla shows granular cytoplasmic staining increasing towards the zona reticularis. Recommended concentration: $2-4 \mu \mathrm{~g} / \mathrm{ml}$.

Immunofluorescence: Strong expression of the protein seen in MCF7 and U2OS cells. Recommended concentration: $10 \mu \mathrm{~g} / \mathrm{ml}$.

Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

## Species Reactivity

Tested: Human
Expected from sequence similarity: Human


EB06661 $(2.5 \mu \mathrm{~g} / \mathrm{ml})$ staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.


EB06661 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with $0.15 \%$ Triton. Primary incubation $1 \mathrm{hr}(10 \mathrm{ug} / \mathrm{ml})$ followed by Alexa Fluor 488 secondary antibody ( $2 \mathrm{ug} / \mathrm{ml}$ ), showing nuclear, PM and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)
followed by Alexa Fluor 488 secondary antibody ( $2 \mathrm{ug} / \mathrm{ml}$ ).


EB06661 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with $0.15 \%$ Triton. Primary incubation $1 \mathrm{hr}(10 \mathrm{ug} / \mathrm{ml})$ followed by Alexa Fluor 488 secondary antibody ( $2 \mathrm{ug} / \mathrm{ml}$ ), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody ( $2 \mathrm{ug} / \mathrm{ml}$ ).


EB06661 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with $0.5 \%$ Triton. Primary incubation $1 \mathrm{hr}(10 \mathrm{ug} / \mathrm{ml})$ followed by Alexa Fluor 488 secondary antibody ( $1 \mathrm{ug} / \mathrm{ml}$ ). IgG control: Unimmunized goat $\lg G$ (black line) followed by Alexa Fluor 488 secondary antibody.

