10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# SEMA3E antibody - C-terminal region
**Rabbit Polyclonal Antibody**
**Catalog # AI15105**

## Specification

### SEMA3E antibody - C-terminal region - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | O15041 |
| Other Accession | NM_012431, NP_036563 |
| Reactivity | **Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog** |
| Predicted | **Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **86kDa KDa** |

### SEMA3E antibody - C-terminal region - Additional Information

**Gene ID** 9723

| | |
|---|---|
| Alias Symbol | **KIAA0331, M-SEMAH, M-SemaK, SEMAH, coll-5** |

**Other Names**
Semaphorin-3E, SEMA3E, KIAA0331, SEMAH

**Format**
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**
Add 50 ul of distilled water. Final anti-SEMA3E antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**
SEMA3E antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

### SEMA3E antibody - C-terminal region - Protein Information

**Name** SEMA3E

**Synonyms** KIAA0331, SEMAH

**Function**
Plays an important role in signaling via the cell surface receptor PLXND1. Mediates reorganization of the actin cytoskeleton, leading to the retraction of cell projections. Promotes focal adhesion disassembly and inhibits adhesion of endothelial cells to the extracellular matrix. Regulates angiogenesis, both during embryogenesis and after birth. Can down-regulate sprouting

angiogenesis. Required for normal vascular patterning during embryogenesis. Plays an important role in ensuring the specificity of synapse formation (By similarity).

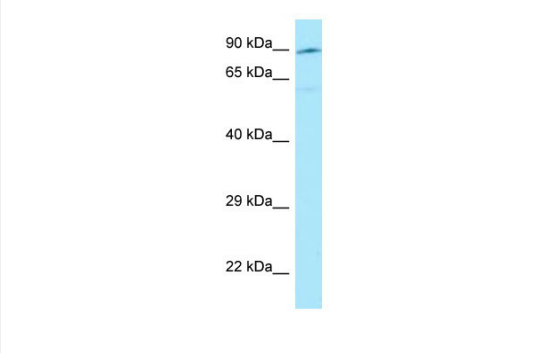
**Cellular Location**
Secreted.

## SEMA3E antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## SEMA3E antibody - C-terminal region - Images




WB Suggested Anti-SEMA3E Antibody Titration: 1.0 µg/ml
Positive Control: 721_B Whole Cell

## SEMA3E antibody - C-terminal region - References

Nagase T.,et al.DNA Res. 4:141-150(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).