



Rabbit Anti-Semaphorin 3E antibody

SL11480R

Product Name:	Semaphorin 3E
Chinese Name:	轴突导向因子SEMA3E抗体
Alias:	Coll 5; Coll5; KIAA0331; M sema H; M SEMAH; M SemaK; Msema H; MSEMAH; MSemaK; SEM3E_HUMAN; Sema domain immunoglobulin domain (Ig); Sema domain immunoglobulin domain (Ig) short basic domain secreted 3E; Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E; SEMA3E; SEMAH; Semaphorin 3E; Semaphorin-3E; Semaphorin3E; Short basic domain secreted (semaphorin) 3E; SEM3E_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Pig, Cow, Horse, Rabbit, Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	86kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SEMA3E/Semaphorin 3E:401-450/775
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Semaphorins are a large family of conserved secreted and membrane associated proteins

which possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Based on sequence and structural similarities, semaphorins are put into eight classes: invertebrates contain classes 1 and 2, viruses have class V, and vertebrates contain classes 3-7. Semaphorins serve as axon guidance ligands via multimeric receptor complexes, some (if not all) containing plexin proteins. This gene encodes a class 4 semaphorin. This gene encodes a class 3 semaphorin. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2010]

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

Subunit:

Interacts with PLXND1

Subcellular Location:

Secreted.

Similarity:

Belongs to the semaphorin family.
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Contains 1 Sema domain.

SWISS:

O15041

Gene ID:

9723

Database links:

[Entrez Gene: 9723](#) Human

[Entrez Gene: 20349](#) Mouse

[Entrez Gene: 100524100](#) Pig

[Entrez Gene: 296789](#) Rat

[Entrez Gene: 535644](#) Cow

[Entrez Gene: 483387](#) Dog

[Oimim: 608166](#) Human

[SwissProt: O15041](#) Human

[SwissProt: P70275](#) Mouse

[SwissProt: Q9QX23](#) Mouse

[Unigene: 528721](#) Human

[Unigene: 134093](#) Mouse

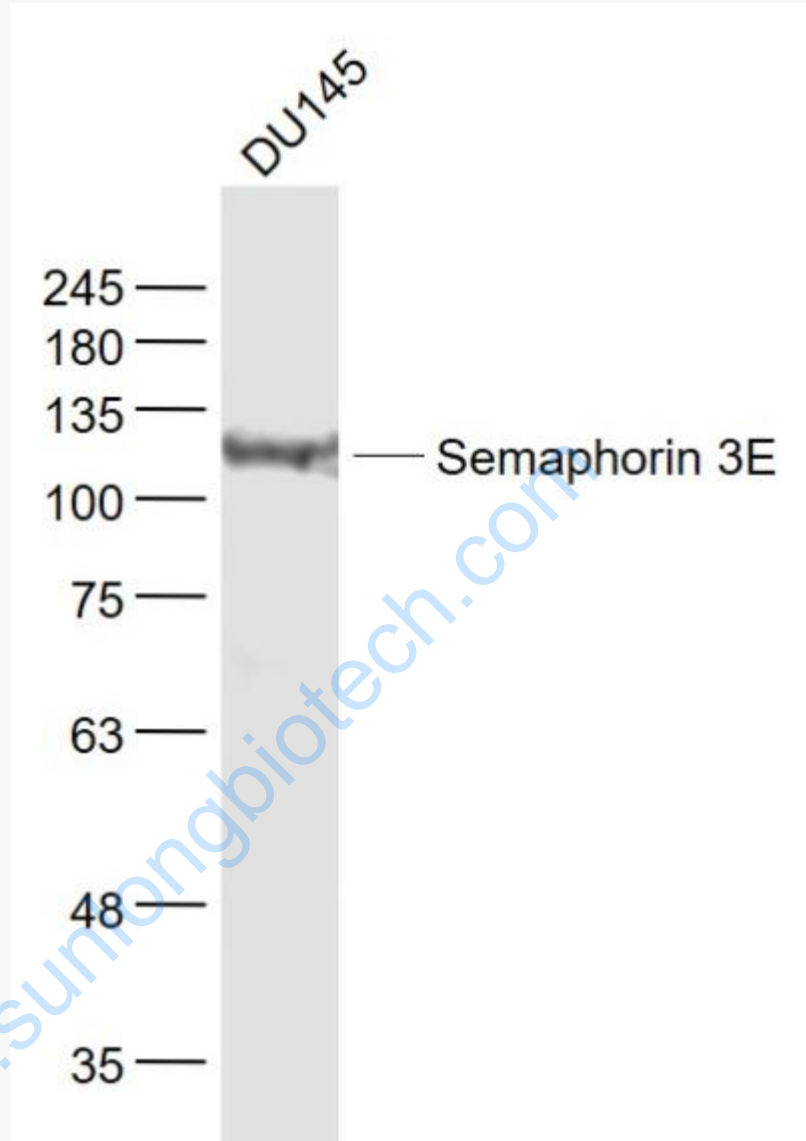
[Unigene: 214084](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com

Picture:



Sample:

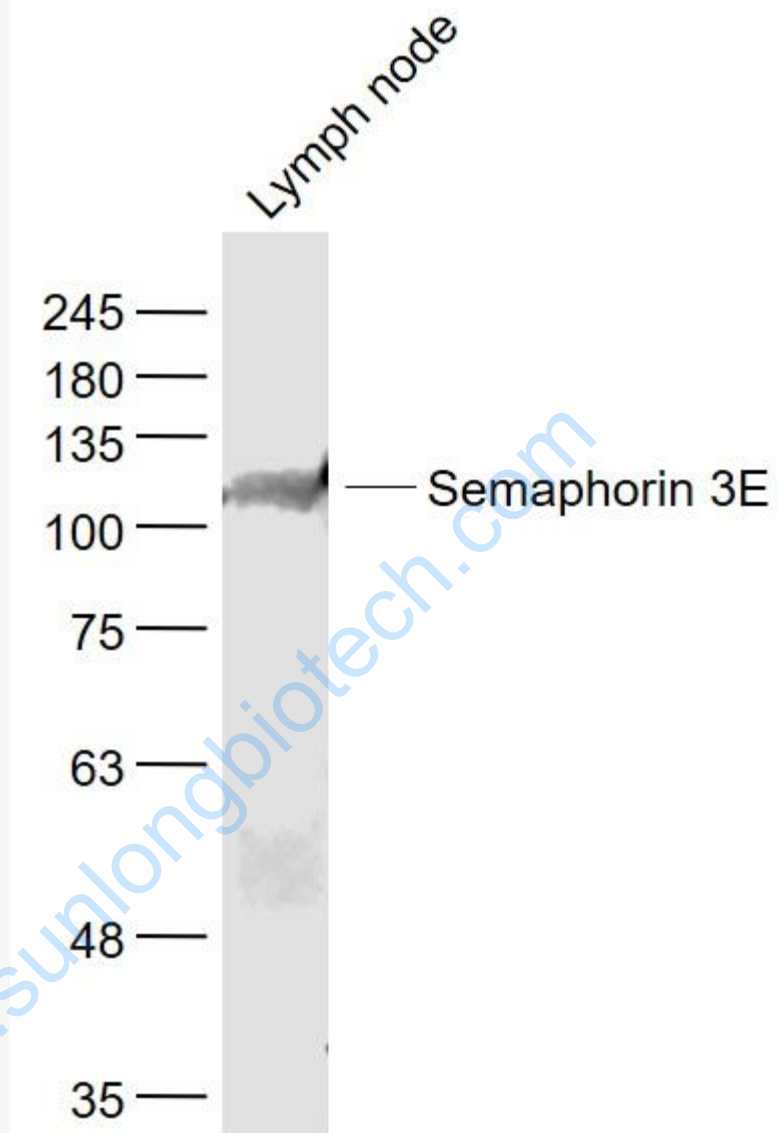
DU145(Human) Cell Lysate at 30 ug

Primary: Anti- Semaphorin 3E (SL11480R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 86 kD

Observed band size: 111 kD



Sample:

Lymph node (Mouse) Lysate at 40 ug

Primary: Anti- Semaphorin 3E (SL11480R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 86 kD

	Observed band size: 111 kD
--	----------------------------

www.sunlongbiotech.com