

## ARG64077 anti-Semaphorin 3E antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes Semaphorin 3E
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog, Pig
Tested Application	IHC-P
Specificity	This antibody is expected to recognise both reported isoforms (NP_036563.1; NP_001171600.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Semaphorin 3E
Species	Human
Immunogen	C-NGGRYGTTKDYPDD
Conjugation	Un-conjugated
Alternate Names	Semaphorin-3E; SEMAH; M-SemaK; coll-5; M-SEMAH

### Application Instructions

Application table	Application	Dilution
	IHC-P	4 - 6 µg/ml

**Application Note** IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links [GeneID: 9723 Human](#)

[Swiss-port # O15041 Human](#)

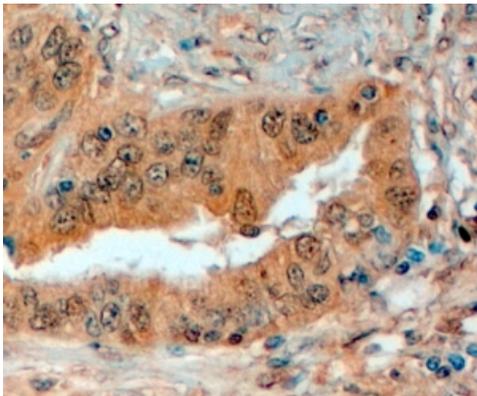
**Background** Semaphorins are a large family of conserved secreted and membrane associated proteins which possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Based on sequence and structural similarities, semaphorins 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]

**Research Area** Neuroscience antibody

**Calculated Mw** 89 kDa

## Images

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ARG64077 anti-Semaphorin 3E antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Prostate. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64077 anti-Semaphorin 3E antibody at 4 µg/ml dilution followed by HRP-staining.