

# SEMA3F rabbit monoclonal antibody

Catalog # H00006405-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human SEMA3F peptide using ARM Technology.
Immunogen	A synthetic peptide of human SEMA3F is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SEMA3F peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — SEMA3F

Entrez GeneID	<a href="#">6405</a>
GeneBank Accession#	<a href="#">SEMA3F</a>
Gene Name	SEMA3F
Gene Alias	SEMA-IV, SEMA4, SEMAK
Gene Description	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F
Omim ID	<a href="#">601124</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>The semaphorins are a family of proteins that are involved in signaling. All the family members have a secretion signal, a 500-amino acid sema domain, and 16 conserved cysteine residues (Koldkin et al., 1993 [PubMed 8269517]). Sequence comparisons have grouped the secreted semaphorins into 3 general classes, all of which also have an immunoglobulin domain. The semaphorin III family, consisting of human semaphorin III (SEMA3A; MIM 603961), chicken collapsin, and mouse semaphorins A, D, and E, all have a basic domain at the C terminus. Chicken collapsin contributes to path finding by axons during development by inhibiting extension of growth cones (Luo et al., 1993 [PubMed 8402908]) through an interaction with a collapsin response mediator protein of relative molecular mass 62K (CRMP62) (Goshima et al., 1995 [PubMed 7637782]), a putative homolog of an axonal guidance associated UNC33 gene product (MIM 601168). SEMA3F is a secreted member of the semaphorin III family.[supplied by OMIM]</p>
Other Designations	sema IV sema domain, immunoglobulin domain (Ig), short basic domain, secreted, 3F semaphorin 3F semaphorin III/F semaphorin IV

## Pathway

- [Axon guidance](#)

## Disease

- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)

- [Intracranial Hemorrhages](#)
- [Myocardial Infarction](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)