

## SEMA3A Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP08199
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SEMA3A. AA range:688-737
<b>Mol wt</b>	88889
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	SEMA3A Antibody
<b>Synonyms</b>	SEMA3A; SEMAD; Semaphorin-3A; Semaphorin III; Sema III

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

SEMA3A is a member of the semaphorin family and encodes a protein with an Ig-like C2-type (immunoglobulin-like) domain, a PSI domain and a Sema domain. Semaphorin-3A can function as either a chemorepulsive agent, inhibiting axonal outgrowth, or as a chemoattractive agent, stimulating the growth of apical dendrites. In both cases, the protein is vital for normal neuronal pattern development. Increased expression of this protein is associated with schizophrenia and is seen in a variety of human tumor cell lines. Also, aberrant release of this protein is associated with the progression of Alzheimer's disease.

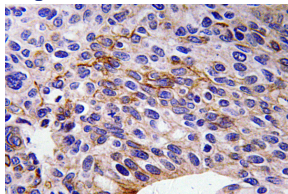
### Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 40000

Not yet tested in other applications.

### Images



Immunohistochemistry analysis of SEMA3A antibody in paraffin-embedded human tonsil tissue.

### Storage

-20°C for one year