

ARG45164 anti-Semaphorin 3B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Semaphorin 3B
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	Semaphorin 3B
Species	Human
Immunogen	Recombinant protein containing to human Semaphorin 3B.
Conjugation	Un-conjugated
Alternate Names	SEMA3B; Semaphorin-3B; Sema A (V); Semaphorin-V; Sema V; SEMA3B; SEMA5; SEMAA

Application Instructions

Application table	Application	Dilution
	ICC/IF	2 µg/ml
	IHC-P	0.5-1 µg/ml
	WB	0.1-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	83 kDa	

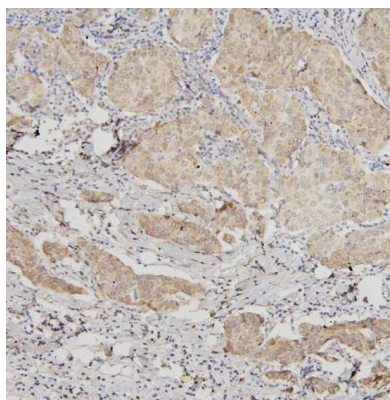
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.01% Sodium azide and 4% Trehalose.
Preservative	0.01% Sodium azide
Stabilizer	4% Trehalose
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.

Bioinformation

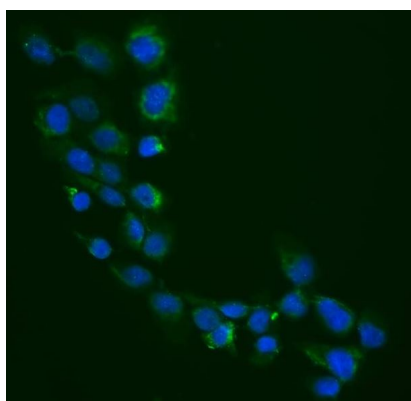
Gene Symbol	SEMA3B
Gene Full Name	semaphorin 3B
Background	The protein encoded by this gene belongs to the class-3 semaphorin/collapsin family, whose members function in growth cone guidance during neuronal development. This family member inhibits axonal extension and has been shown to act as a tumor suppressor by inducing apoptosis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Function	Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons.. [UniProt]
Calculated Mw	83 kDa
PTM	Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Endoplasmic reticulum; Secreted. [UniProt]

Images



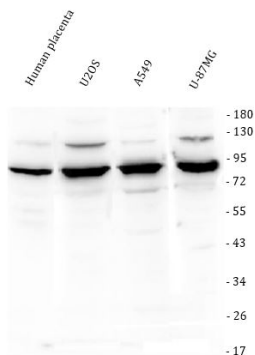
ARG45164 anti-Semaphorin 3B antibody IHC-P image

Immunohistochemistry: Human mammary cancer stained with ARG45164 anti-Semaphorin 3B antibody at 1 µg/ml dilution.



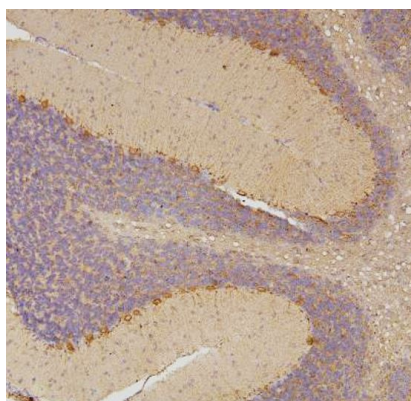
ARG45164 anti-Semaphorin 3B antibody ICC/IF image

Immunofluorescence: A431 stained with ARG45164 anti-Semaphorin 3B antibody at 2 ug/ml dilution.



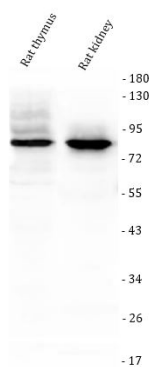
ARG45164 anti-Semaphorin 3B antibody WB image

Western blot: Human placenta, U2OS, and U-87MG stained with ARG45164 anti-Semaphorin 3B antibody at 0.5 $\mu\text{g/ml}$ dilution.



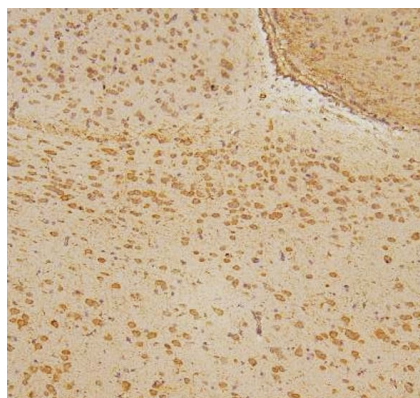
ARG45164 anti-Semaphorin 3B antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45164 anti-Semaphorin 3B antibody at 1 $\mu\text{g/ml}$ dilution.



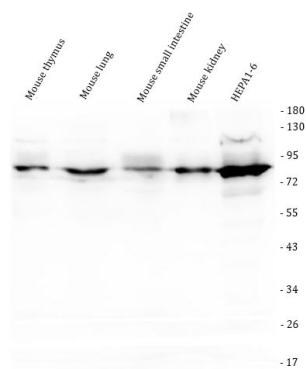
ARG45164 anti-Semaphorin 3B antibody WB image

Western blot: Rat thymus and rat kidney stained with ARG45164 anti-Semaphorin 3B antibody at 0.5 $\mu\text{g/ml}$ dilution.



ARG45164 anti-Semaphorin 3B antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45164 anti-Semaphorin 3B antibody at 1 $\mu\text{g/ml}$ dilution.



ARG45164 anti-Semaphorin 3B antibody WB image

Western blot: Mouse thymus, mouse lung, mouse small intestine, mouse kidney, and HEPA1-6 stained with ARG45164 anti-Semaphorin 3B antibody at 0.5 µg/ml dilution.