

ARG45348 anti-Endostatin antibody [3H11]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [3H11] recognizes Endostatin
Tested Reactivity	Ms
Tested Application	IHC-P
Host	Rat
Clonality	Monoclonal
Clone	3H11
Isotype	IgG2
Target Name	Endostatin
Species	Mouse
Immunogen	Recombinant Mouse Endostatin.
Conjugation	Un-conjugated
Alternate Names	KS; KNO; KNO1; Collagen alpha-1(XVIII) chain

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

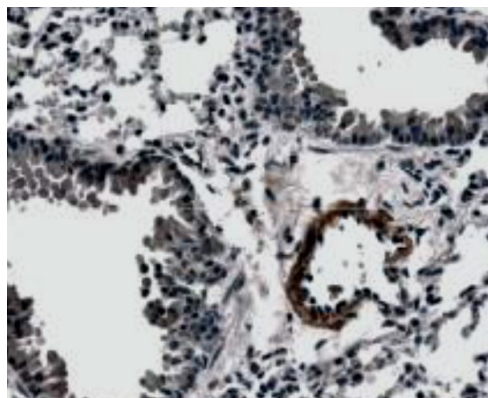
Properties

Form	Powder
Purification	Protein G/A chromatography
Buffer	PBS
Reconstitution	PBS
Concentration	0.2 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

Gene Symbol	COL18A1
Gene Full Name	collagen, type XVIII, alpha 1
Background	This gene encodes the alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. A long isoform of the protein has an N-terminal domain that is homologous to the extracellular part of frizzled receptors. Proteolytic processing at several endogenous cleavage sites in the C-terminal domain results in production of endostatin, a potent antiangiogenic protein that is able to inhibit angiogenesis and tumor growth. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities, so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]
Function	Probably plays a major role in determining the retinal structure as well as in the closure of the neural tube. [UniProt]
Highlight	Related products: Endostatin antibodies ; Endostatin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Calculated Mw	182 kDa
PTM	Disulfide bond; Glycoprotein; Hydroxylation; Phosphoprotein; Proteoglycan. [UniProt]
Cellular Localization	Basement membrane; Extracellular matrix; Secreted. [UniProt]

Images



ARG45348 anti-Endostatin antibody [3H11] IHC-P image

Immunohistochemistry: Mouse lung stained with ARG45348 anti-Endostatin antibody [3H11].