

ARG40709 anti-Nestin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Nestin
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Nestin
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 252-290 of Human Nestin. (ERLRATEKFQLAVEALEQEKGQLSQIAQVLEGRQQLAH)
Conjugation	Un-conjugated
Alternate Names	NES; Nestin FLJ21841; Nbla00170

Application Instructions

Application table	Application	Dilution
	IHC-Fr	1:200 - 1:1000
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

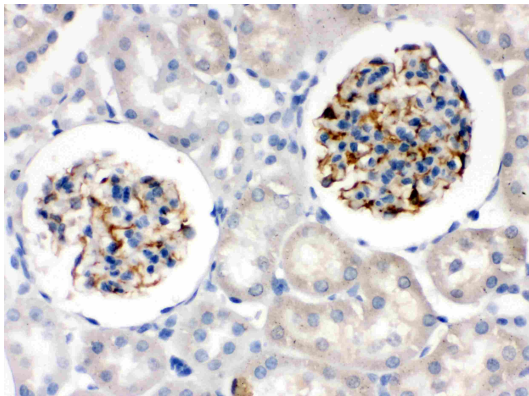
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term 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

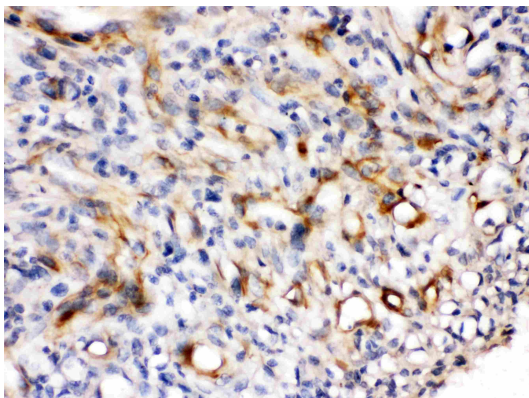
Gene Symbol	NES
Gene Full Name	nestin
Background	This gene encodes a member of the intermediate filament protein family and is expressed primarily in nerve cells.
Function	Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, renewal and mitogen-stimulated proliferation of neural progenitor cells.
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Controls and Markers antibody; Developmental Biology antibody; Neuroscience antibody; NSC antibody; Neural Stem Cell Marker antibody; NSC and Neuron Marker antibody; Neuron Development Study antibody
Calculated Mw	177 kDa
PTM	Acetylation, Isopeptide bond, Phosphoprotein, Ubl conjugation
Cellular Localization	Intermediate filament

Images



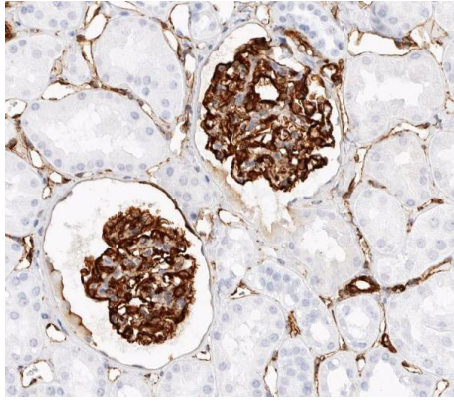
ARG40709 anti-Nestin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue stained with ARG40709 anti-Nestin antibody at 1 µg/ml dilution.



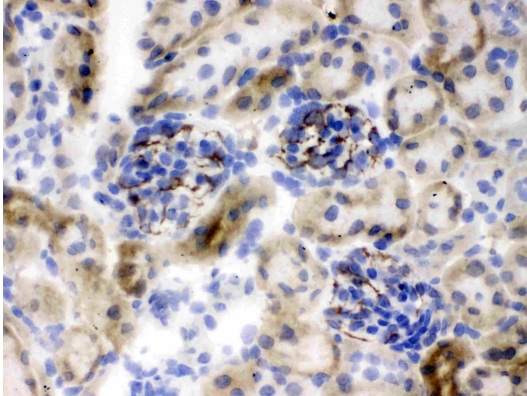
ARG40709 anti-Nestin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human melanoma tissue stained with ARG40709 anti-Nestin antibody at 1 µg/ml dilution.



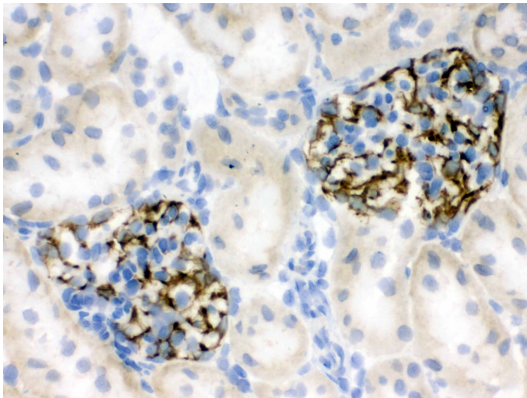
ARG40709 anti-Nestin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue stained with ARG40709 anti-Nestin antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



ARG40709 anti-Nestin antibody IHC-Fr image

Immunohistochemistry: Frozen section of Mouse kidney tissue. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40709 anti-Nestin antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG40709 anti-Nestin antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat kidney tissue. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40709 anti-Nestin antibody at 1 $\mu\text{g}/\text{ml}$ dilution, overnight at 4°C.



ARG40709 anti-Nestin antibody WB image

Western blot: HeLa and HepG2 whole cell lysates stained with ARG40709 anti-Nestin antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.