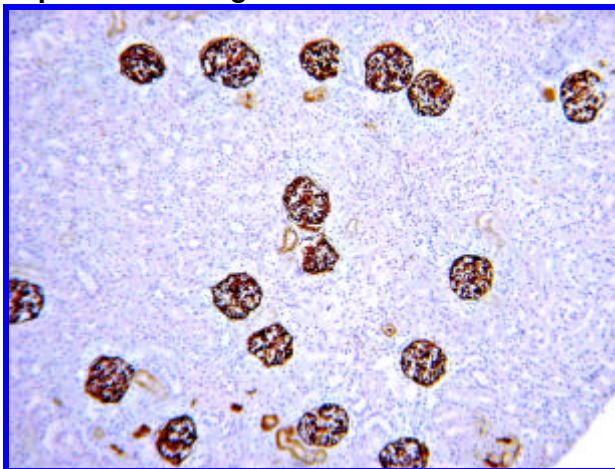


Nestin, IHC-Paraffin Staining Report

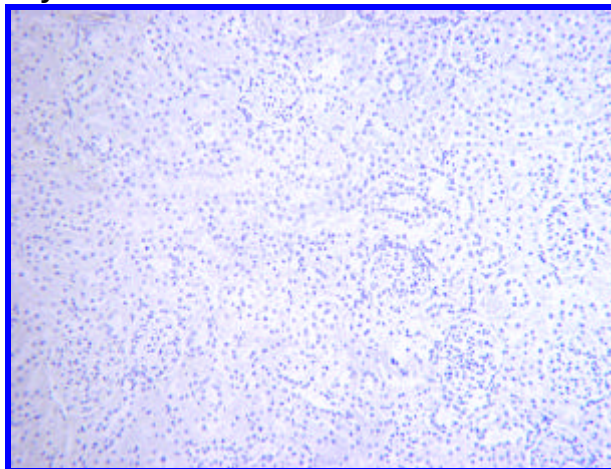
Target Antigen:	Nestin
Catalog or ID #:	MAB353
Host and Isotype:	IgG ₁
Clone	Rat 401
Purity and Method:	Nestin purified from embryonic rat spinal cord
Concentration and Quantity:	0.550mg/mL
Storage Conditions:	2-4.0°C refrigerated
Species Reactivity:	Rat and mouse. Does not recognize human nestin.
IHC-Paraffin Fixation Tested:	10% neutral Buffered Formalin
IHC-Paraffin Titer:	1.25 to 5.0µg/mL
IHC-Paraffin Pretreatment(s):	Heat Induced Epitope Retrieval: Recommend Citrate Buffer, pH 6.0 or EDTA, pH 8.0 or TE Buffer, pH 9.0. Signal is detected without Epitope retrieval with diffusive background.
IHC-Paraffin Protocol:	IHC-Select, HRP-DAB (Brief Outline): Blocking Reagent for 5 min. Primary Antibody (or Negative Control Reagent) for 10 min. Biotinylated Secondary Antibody for 10 min. Streptavidin-HRP for 10 min. DAB for 10 min. Hematoxylin for 1 min.
Positive Tissue(s):	Pancreas or Kidney.
Subcellular Location(s):	Intermediate filaments
Negative Tissue(s):	Non-mesenchyme derived progenitor cells/Non-neural stem cells
Comments and References:	Immunoreactivity is detected in mouse pancreatic islets of Langerhans. This is as expected: 1) Reference: Multipotential nestin-positive stem cells isolated from adult pancreas islets....Zulewski H, et al., <u>Diabetes</u> 2001, Mar;50(3):521-33. 2) Reference: Pancreatic organogenesis-Developmental mechanism...Edlund H., <u>Genetics</u> July 2002, Vol3. 524-532

IHC – Paraffin Staining Examples:

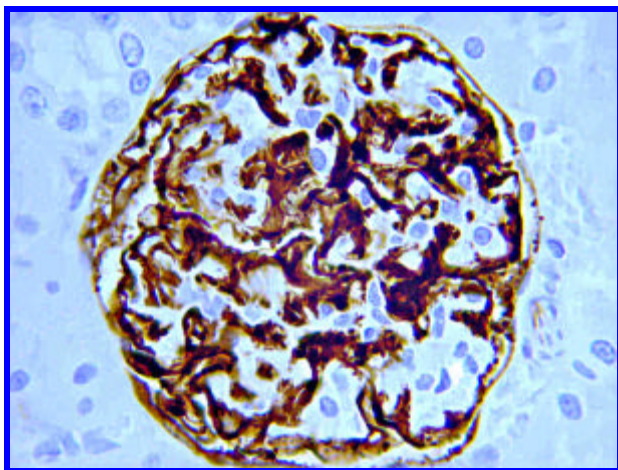
Optimal Staining of Nestin Monoclonal Antibody: Mouse Pancreas



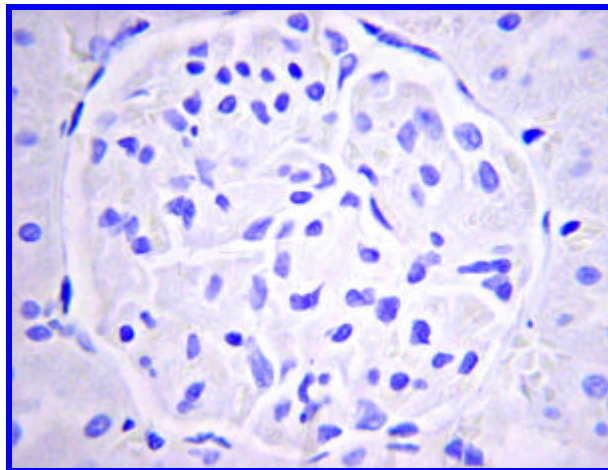
Nestin (MAB353, Clone: 401) staining of Mouse Pancreas, tissue pretreated with citrate buffer, pH 6.0. Antibody at 1.25µg/mL, IHC-Select detection with HRP-DAB. Immunoreactivity is detected in the islets of Langerhans.



Negative control staining of Mouse Pancreas, tissue pretreated with citrate buffer, pH 6.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No signal detected.



Nestin (MAB353, Clone: 401) staining of Mouse Pancreas, tissue pretreated with citrate buffer, pH 6.0. Antibody at 1.25µg/mL, IHC-Select detection with HRP-DAB. Immunoreactivity is detected in the islets of Langerhans.



Negative control staining of Mouse Pancreas, tissue pretreated with citrate buffer, pH 6.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No signal detected.