

Vimentin, IHC-Paraffin Staining Report

Target Antigen:	Vimentin (Clone: V9)
Catalog or ID #:	IHC2092
Host and Isotype:	Mouse IgG ₁
Clone	V9
Purity and Method:	Affinity purified
Concentration and Quantity:	Prediluted
Storage Conditions:	2-4.0°C refrigerated
Species Reactivity:	Human, & most mammals.
IHC-Paraffin Fixation Tested:	10% neutral Buffered Formalin
IHC-Paraffin Titer:	N/A
IHC-Paraffin Pretreatment(s):	Heat Induced Epitope Retrieval (HIER): Recommend Citrate Buffer, pH 6.0, or EDTA, pH 8.0 or TE Buffer, pH 9.0. No signal is detected without Epitope retrieval.
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):	Specific for mesenchymal cells: primitive neuroepithelial cells, astrocytes and developing neurons. Shows no cross reactivity with other closely related intermediate filament proteins including Desmin and GFAP. Epithelia are generally negative for Vimentin. Positive control: Human Brain.
Subcellular Location(s):	Cytoplasmic staining
Negative Tissue(s):	Non-vascular tissue.
Comments and References:	Staining is as expected since specific immunoreactivity was restricted to mesenchymal cell lineage.



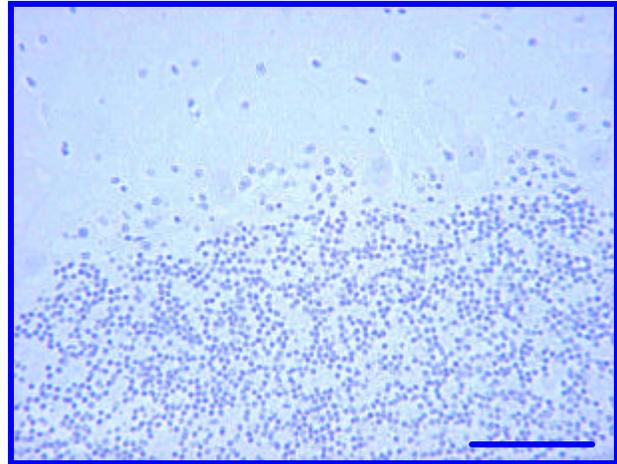
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IHC – Paraffin Staining Examples:

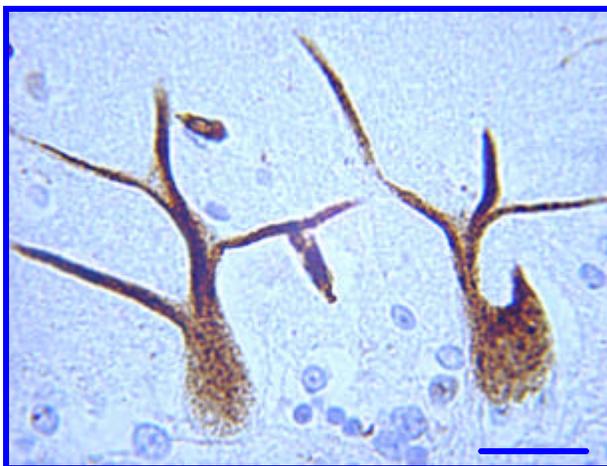
Pictures of Optimal Staining With Citrate Epitope Retrieval: Human Brain



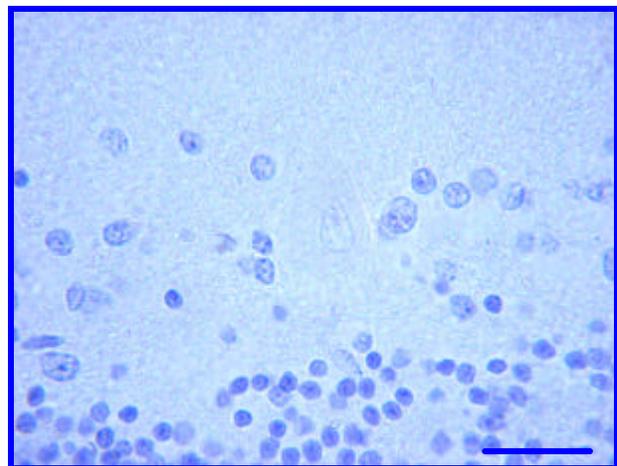
Vimentin (IHC2092, Clone: V9) staining of Cerebellum. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Purkinje cells and vascular endothelium stained strongly (brown). Bar = 100 μ m.



Negative Control staining of Cerebellum. Tissue pretreated with Citrate Buffer, pH 6.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100 μ m.



Vimentin (IHC2092, Clone: V9) staining of Cerebellum. Tissue pretreated with Citrate Buffer, pH 6.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Purkinje cells and vascular endothelium stained strongly (brown). Bar = 25 μ m.



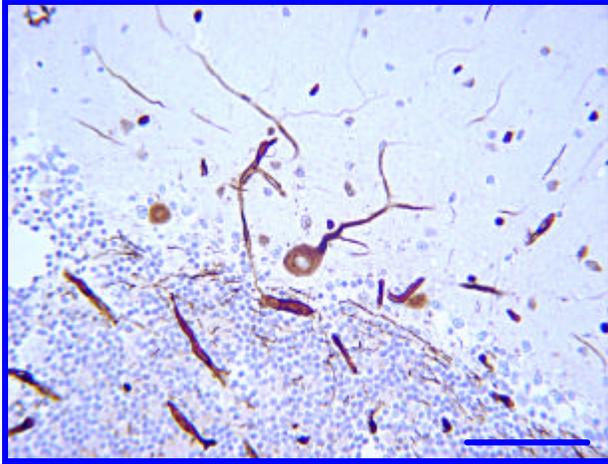
Negative Control staining of Cerebellum. Tissue pretreated with Citrate Buffer, pH 6.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 μ m.



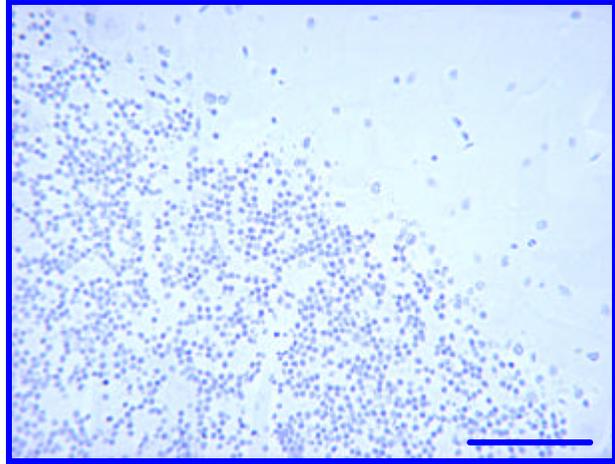
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IHC – Paraffin Staining Examples:

Pictures of Optimal Staining with EDTA Epitope Retrieval: Human Brain



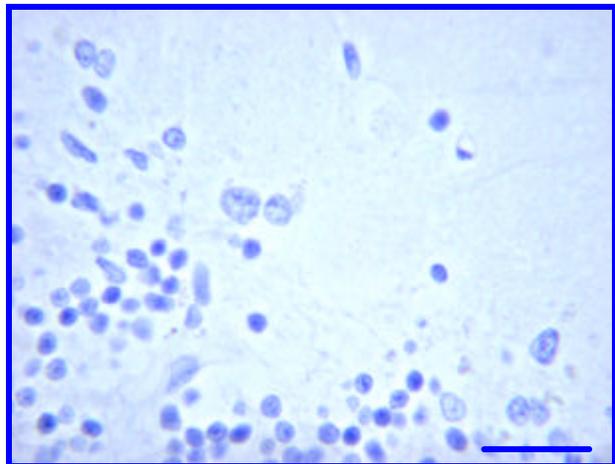
Vimentin (IHC2092, Clone: V9) staining of Cerebellum. Tissue pretreated with EDTA, pH 8.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Purkinje cells and vascular endothelium stained strongly (brown). Bar = 100µm.



Negative Control staining of Cerebellum. Tissue pretreated with EDTA, pH 8.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100µm.



Vimentin (IHC2092, Clone: V9) staining of Cerebellum. Tissue pretreated with EDTA, pH 8.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Purkinje cells and vascular endothelium stained strongly (brown). Bar = 100µm.



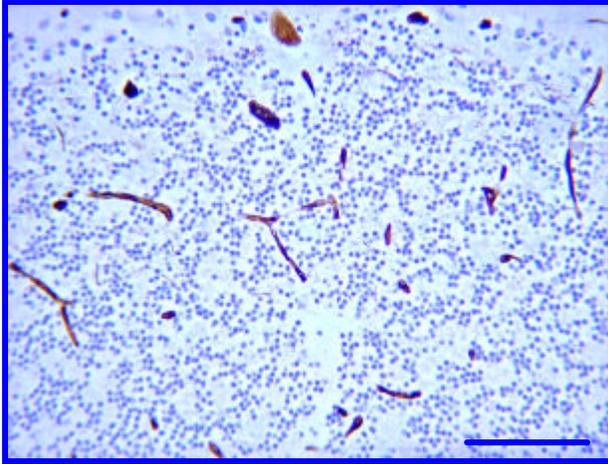
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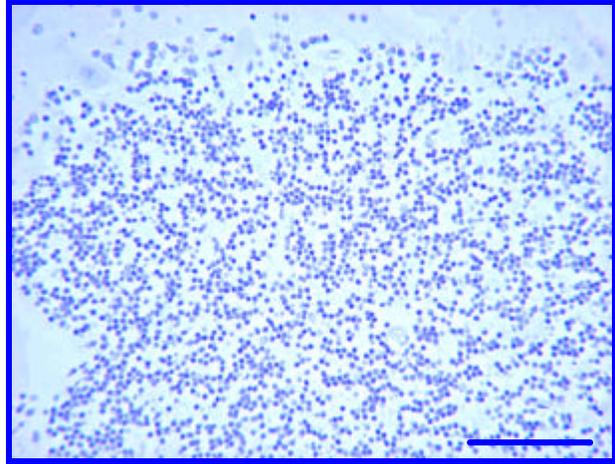
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IHC – Paraffin Staining Examples:

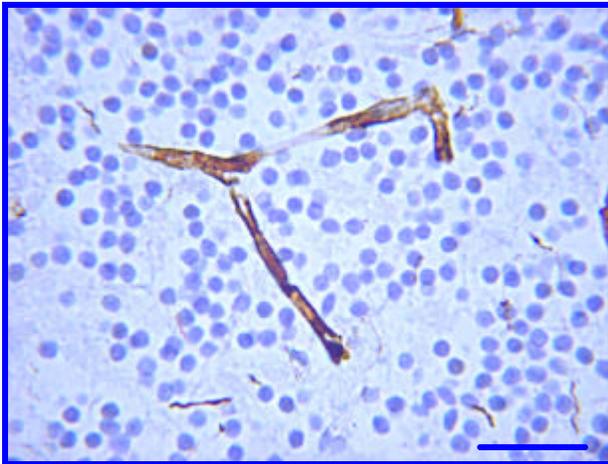
Pictures of Optimal Staining With TE Buffer Epitope Retrieval: Human Brain



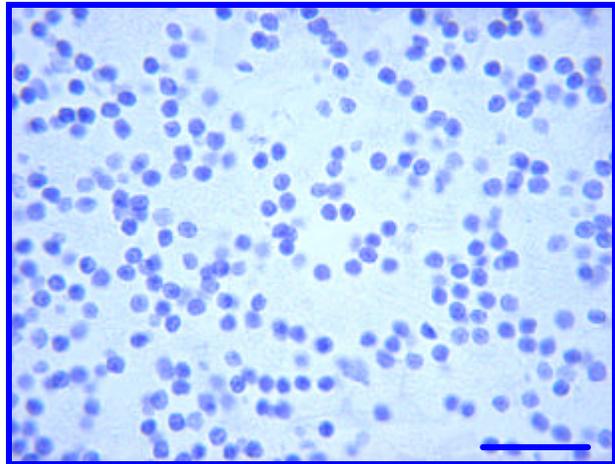
Vimentin (IHC2092, Clone: V9) staining of Cerebellum. Tissue pretreated with TE Buffer, pH 9.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Vascular endothelium stained strongly (brown). Bar = 100 μ m.



Negative Control staining of Cerebellum. Tissue pretreated with TE Buffer, pH 9.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 100 μ m.



Vimentin (IHC2092, Clone: V9) staining of Cerebellum. Tissue pretreated with TE Buffer, pH 9.0. Prediluted antibody, IHC-Select Detection with HRP-DAB. Vascular endothelium stained strongly (brown). Bar = 25 μ m.



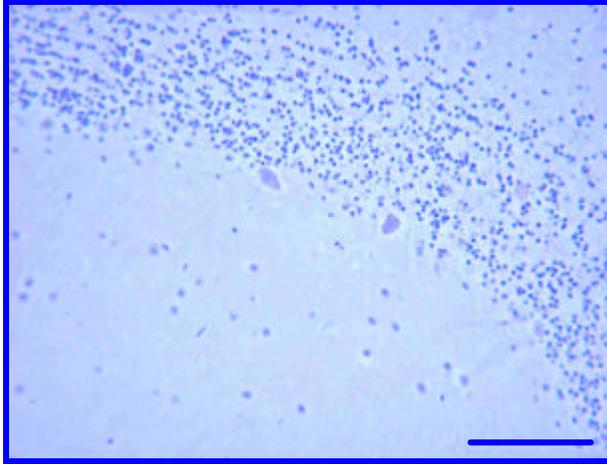
Negative Control staining of Cerebellum. Tissue pretreated with TE Buffer, pH 9.0. Negative Control Reagent, IHC-Select Detection with HRP-DAB. No background staining is detected. Bar = 25 μ m.



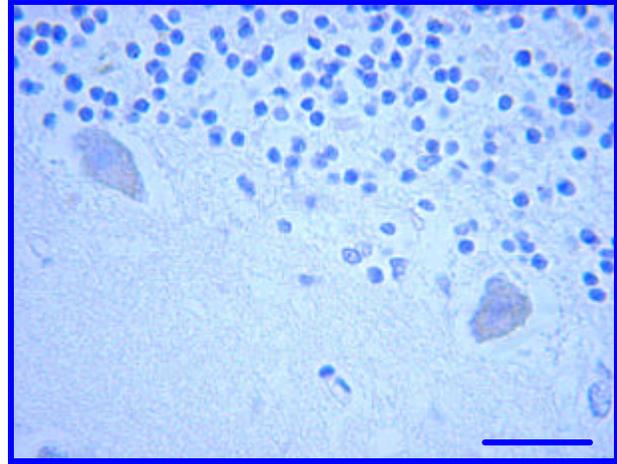
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IHC – Paraffin Staining Examples:

Pictures of Staining Without Epitope Retrieval: Human Brain



Vimentin (IHC2092, Clone: V9) staining of Cerebellum. Tissue without Epitope retrieval. Prediluted antibody, IHC-Select Detection with HRP-DAB. No signal is detected. Bar = 100 μ m.



Vimentin (IHC2092, Clone: V9) staining of Cerebellum. Tissue without Epitope retrieval. Prediluted antibody, IHC-Select Detection with HRP-DAB. No signal is detected. Bar = 25 μ m.