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MILLIPORE IHC SELECT RESEARCH®
PREDILUTED MOUSE ANTI-NESTIN MONOCLONAL ANTIBODY

CATALOG NUMBER:	IHCR1006-6	**QUANTITY:**	6 mL
LOT NUMBER:		**HOST/ISOTYPE:**	Ms IgG_1
CLONE NAME:	Rat-401		

DESCRIPTION: Nestin is a large intermediate filament protein (class Type VI) expressed during development and in myotendinous and neuromuscular junctions. Nestin expression is restricted, typically disappearing by E18. Nestin is thought to be a reasonable neuronal marker; however, recent studies have found nestin expression in other cell types such as endothelial cells (Mokry and Nemecek, 1998). Nestin identifies the most primitive neuroepithelium but also identifies many other embryonic tissues, so it is not specific for CNS. Nestin expression is seen in almost all GMBs (Glioblastoma multiformes) and many melanomas (both primary and metastatic) but not in any metastatic carcinomas.

SPECIFICITY: Rodent Nestin protein confirmed with rat and mouse. Rat-401 is not reactive with human nestin protein.

IMMUNOGEN: Nestin purified from embryonic rat spinal cord.

APPLICATIONS: **Antibody is prediluted and ready to use for Immunohistochemistry of formalin-fixed, paraffin-embedded tissues.**

Pretreatment: Heat Induced Epitope Retrieval (HIER). Recommend Citrate Buffer, pH 6.0 (Cat. No. 21545). No signal was detected without Epitope retrieval.

Incubation: 30 minutes with IHC Select® Detection Kits.

S100 has been prediluted for use as the primary antibody with Millipore's IHC Select® Detection Kits and Protocols (Catalog Nos. DAB050, DET-HP1000, APR050, and DET-APR1000), but other supplier's IHC detection systems may be used. For optimized protocol details, visit www.millipore.com and select the protocols link under Cat. No.IHC2137-6.

SPECIES REACTIVITIES: Reacts with Mouse and Rat. Does not react with Human. Reactivity with other species has not been determined.

PRESENTATION: Liquid diluted in PBS, pH 7.2 with stabilizers, 0.2% Tween 20, and 0.1% ProClin 300 as preservative.

STORAGE/HANDLING: Maintain at 2-8°C. Refer to vial for expiration dating.

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Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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