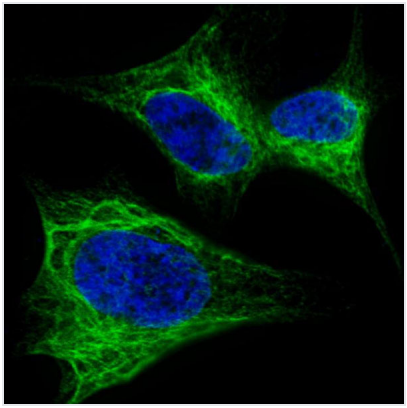
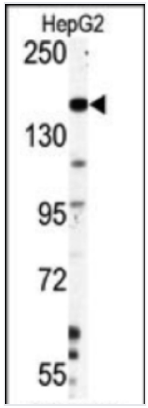
NES Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

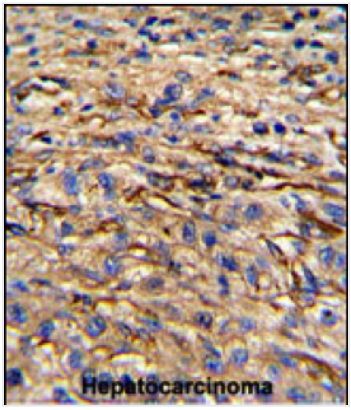
Product Name	NES, Polyclonal Antibody
Full Product Name	NES (S1409) (Nestin, Nbla00170) (Biotin)
Product Gene Name	anti-NES antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human NES.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	176.704
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 1389-1416 of human NES, UniProt Accession #P48681.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-NES antibody	Antibodies; Neurofilament
Applications Tested/Suitable for anti-NES antibody	ELISA (EIA), Western Blot (WB), Immunofluorescence (IF), Flow Cytometry (FC/FACS), Immunohistochemistry (IHC)
Application Notes for anti-NES antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-NES antibody	Nestin is a class VI intermediate filament protein expressed predominantly in stem cells of the neural tube but absent from virtually all differentiated CNS cells. In the CNS, nestin is downregulated upon differentiation and replaced by neurofilaments. Transient expression of nestin has been postulated as a key step committing cells to the neural differentiation pathway. Nestin expression has also been observed in pancreatic hematopoietic stem cell populations.
Product References and Citations for anti-NES antibody	1. Yaworsky, P.J., et al., Dev. Biol. 205(2):309-321 (1999). 2. Dahlstrand, J., et al., J. Cell. Sci. 103(Pt 2), 589-597 (1992).
Other Notes	Small volumes of anti-NES antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NES purchase	MBS6489782 is an antibody targeting NES. Also known as NES (S1409) (Nestin, Nbla00170) (Biotin). Reactive in Human. Host: Rabbit.



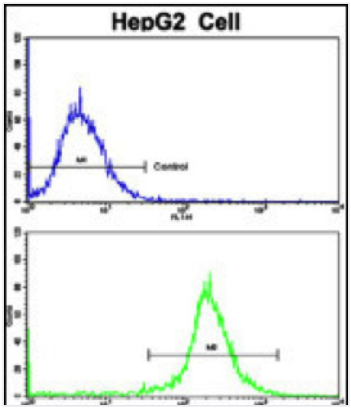
Immunofluorescence (IF) of anti-NES antibody
Fluorescent confocal image of SY5Y cells stained with N2060-04L. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with N2060-04L primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10ug/ml, 5 min). Note the highly specific localization of the Nestin (S1409) immunosignal to the intermediate filaments, supported by Human Protein Atlas Data.



Western Blot (WB) of anti-NES antibody
Western Blot analysis of N2060-04L in HepG2 cell line lysates (35ug/lane). NES (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-NES antibody
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with N2060-04L, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Flow Cytometry (FC/FACS) of anti-NES antibody
Flow Cytometric analysis of HepG2 cells using Nestin N2060-04L (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NES. It may not necessarily be applicable to this product.

Protein Family	Nestin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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