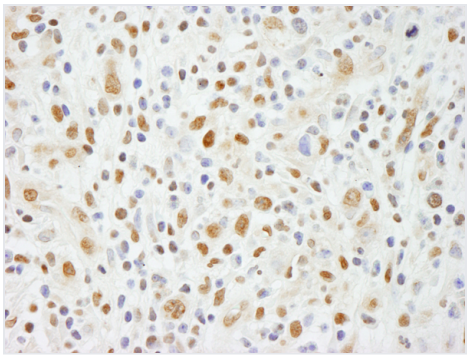
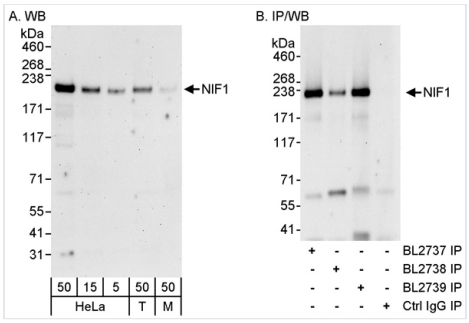
NIF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NIF1, Polyclonal Antibody
Full Product Name	Rabbit anti-NIF1 Antibody, Affinity Purified
Product Gene Name	anti-NIF1 antibody
Product Synonym Gene Name	ZNF335
Product Synonym Names	NRC-interacting factor 1; zinc finger protein 335; zinc-finger/leucine-zipper co-transducer NIF1; NIF-1; MCPH10; NIF2; NIF1; Zinc finger protein 335; zinc finger protein 335
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	200ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	129,615 Da
OMIM	AF395833 mRNA
3D Structure	ModBase 3D Structure for Q9H4Z2
Immunogen	Between 1292 and C-terminus
Conjugation	Unconjugated
Product Categories/Family for anti-NIF1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-NIF1 antibody	Western Blot (WB), Immunoprecipitation (IP), Immunohistochemistry (IHC)
Application Notes for anti-NIF1 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate IHC: 1:100-1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Related Product Information for anti-NIF1 antibody	NRC-Interacting Factor 1 (NIF1) interacts with the nuclear receptor transcriptional coactivator NRC and enhances ligand-dependent transcriptional activation by nuclear hormone receptors as well as c-Fos and c-Jun. NIF1 may function to influence chromatin structure.
Other Notes	Small volumes of anti-NIF1 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 NIF1 purchase	MBS3901312 is an antibody targeting NIF1. Also known as Rabbit anti-NIF1 Antibody, Affinity Purified. Reactive in Human, Mouse. Host: Rabbit.



Immunohistochemistry (IHC) of anti-NIF1 antibody
Detection of human NIF1 by immunohistochemistry. Sample: FFPE section of human Hodgkin's lymphoma. Antibody: Affinity purified rabbit anti-NIF1 (Cat. No. MBS3901312 Lot1) used at a dilution of 1:200 (1ug/ml). Detection: DAB



Western Blot (WB) of anti-NIF1 antibody
Detection of human and mouse NIF1 by western blot (h&m) and immunoprecipitation (h). Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 ug) and mouse NIH 3T3 (M; 50 ug) cells. Antibodies: Affinity purified rabbit anti-NIF1 antibody BL2739 (Cat. No. MBS3901312) used for WB at 0.04 ug/ml (A) and at 1 ug/ml (B) and used for IP at 3 ug/mg lysate (B). NIF1 was also immunoprecipitated by rabbit anti-NIF1 antibodies BL2737 (Cat. No. MBS3901311) and BL2738. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NIF1. It may not necessarily be applicable to this product.

NCBI GI #	11560152
NCBI GeneID	63925
NCBI Accession #	NP_071378.1
UniProt Primary Accession #	Q9H4Z2
UniProt Secondary Accession #	Q548D0; Q9H684; B4DLG7
UniProt Related Accession #	Q9H4Z2
GenBank Nucleotide #	NM_022095.3
NCBI Official Full Name	zinc finger protein 335
NCBI Official Synonym Full Names	zinc finger protein 335
NCBI Official Symbol	ZNF335
NCBI Official Synonym Symbols	NIF1; NIF2; NIF-1; MCPH10
UniProt Protein Name	Zinc finger protein 335
UniProt Synonym Protein Names	NRC-interacting factor 1; NIF-1
Protein Family	Mitosis inhibitor
UniProt Gene Name	ZNF335
UniProt Synonym Gene Names	NIF-1
NCBI Protein Information	zinc finger protein 335
NCBI Summary for NIF1	The protein encoded by this gene enhances transcriptional activation by ligand-bound nuclear hormone receptors. However, it does this not by direct interaction with the receptor, but by direct interaction with the nuclear hormone receptor transcriptional coactivator NRC. The encoded protein may function by altering local chromatin structure. [provided by RefSeq, Jul 2008]
UniProt Comments for NIF1	Component or associated component of some histone methyltransferase complexes may regulate transcription through recruitment of those complexes on gene promoters. Enhances ligand-dependent transcriptional activation by nuclear hormone receptors. Plays an important role in neural progenitor cell proliferation and self-renewal through the regulation of specific genes involved brain development, including REST. Also controls the expression of genes involved in somatic development and regulates, for instance, lymphoblast proliferation.

Research Articles on NIF1	**1.** ZNF335 gene mutation is associated with extreme microcephaly with a severely simplified gyral pattern, decreased brain size, increased extra-axial space, enlarged ventricles, absence of the corpus callosum and delayed myelination
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/nif1/3901312