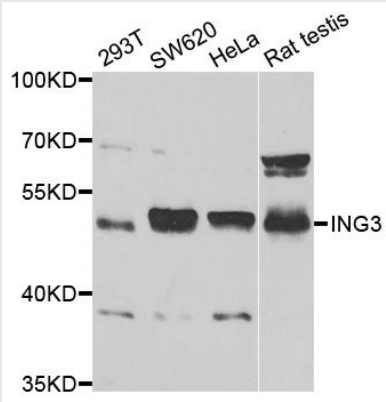
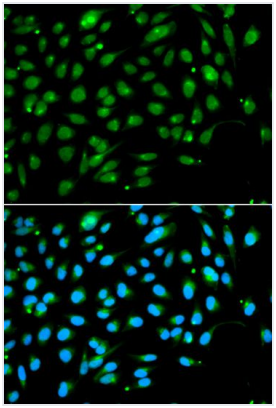
ING3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ING3, Polyclonal Antibody
Full Product Name	ING3 Polyclonal Antibody
Product Gene Name	anti-ING3 antibody
Product Synonym Names	Eaf4; ING2; MEAF4; p47ING3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purification
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	418
OMIM	phenotype 607493
3D Structure	ModBase 3D Structure for Q9NXR8
Species	Human
Immunogen	Recombinant protein of human ING3
Calculated Molecular Weight	46kDa
Product Categories/Family for anti-ING3 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ING3 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)
Application Notes for anti-ING3 antibody	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IP: 1:50 - 1:100 IF: 1:50 - 1:200
Related Product Information for anti-ING3 antibody	The protein encoded by this gene is similar to ING1, a tumor suppressor protein that can interact with TP53, inhibit cell growth, and induce apoptosis. This protein contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This gene can activate p53 trans-activated promoters, including promoters of p21/waf1 and bax. Overexpression of this gene has been shown to inhibit cell growth and induce apoptosis. Allelic loss and reduced expression of this gene were detected in head and neck cancers. Two alternatively spliced transcript variants encoding different isoforms have been observed.
Other Notes	Small volumes of anti-ING3 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 ING3 purchase	MBS9126183 is an antibody targeting ING3. Also known as ING3 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ING3 antibody
Western blot analysis of extracts of various cell lines, using ING3 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 60s.



Immunofluorescence (IF) of anti-ING3 antibody
Immunofluorescence analysis of A549 cells using ING3 antibody. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ING3. It may not necessarily be applicable to this product.

NCBI GI #	59798432
NCBI GeneID	54556
NCBI Accession #	Q9NXR8.2
UniProt Primary Accession #	Q9NXR8
UniProt Secondary Accession #	O60394; Q567P3; Q6GMT3; Q7Z762; Q969G0; Q96DT4; Q9HC99; Q9P081; A8K790
UniProt Related Accession #	Q9NXR8
NCBI Official Full Name	Inhibitor of growth protein 3
NCBI Official Synonym Full Names	inhibitor of growth family, member 3
NCBI Official Symbol	ING3
NCBI Official Synonym Symbols	Eaf4; ING2; MEAF4; p47ING3
UniProt Protein Name	Inhibitor of growth protein 3
UniProt Synonym Protein Names	p47ING3
Protein Family	Inhibitor of growth protein
UniProt Gene Name	ING3
UniProt Entry Name	ING3_HUMAN
NCBI Protein Information	inhibitor of growth protein 3

UniProt Comments for ING3	ING3: Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Defects in ING3 may be a cause of head and neck squamous cell carcinomas (HNSCC); also known as squamous cell carcinoma of the head and neck. Belongs to the ING family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 7q31 Cellular Component: nucleoplasm; NuA4 histone acetyltransferase complex; cytoplasm; nucleolus; nucleus Molecular Function: histone acetyltransferase activity; zinc ion binding; methylated histone residue binding Biological Process: establishment and/or maintenance of chromatin architecture; regulation of transcription, DNA-dependent; transcription, DNA-dependent; positive regulation of apoptosis; regulation of growth
Research Articles on ING3	**1.** that ING3 may be an important marker for human hepatocellular carcinoma progression and prognosis, as well as a potential therapeutic target.
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-rat-antibody/ing3/9126183