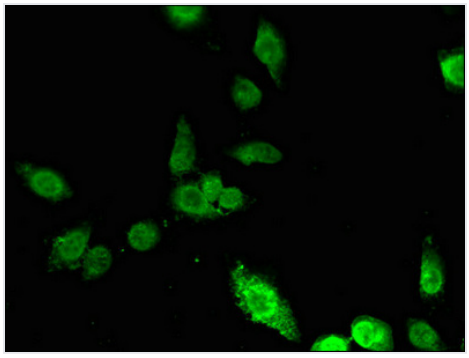
ING5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ING5, Polyclonal Antibody
Full Product Name	ING5 Antibody
Product Gene Name	anti-ING5 antibody
Product Synonym Names	Inhibitor of growth protein 5; p28ING5; ING5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: ING5 (MBS7050727) HRP Conjugated Antibody: ING5 (MBS7050728)
Matching Pairs	Unconjugated Antibody: ING5 (MBS7050727) FITC Conjugated Antibody: ING5 (MBS7050729)
Matching Pairs	Unconjugated Antibody: ING5 (MBS7050727) Biotin Conjugated Antibody: ING5 (MBS7050730)
Molecular Weight	25,932 Da
OMIM	AF189286 mRNA
3D Structure	ModBase 3D Structure for Q8WYH8
Immunogen	Recombinant Human Inhibitor of growth protein 5 protein (32-207AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-324885 / sc-324887
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ING5 antibody	ELISA (EIA), Immunofluorescence (IF)
Application Notes for anti-ING5 antibody	IF: 1: 50-1: 200
Related Product Information for anti-ING5 antibody	Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. Through chromatin acetylation it may regulate DNA replication and may function as a transcriptional coactivator.

Other Notes	Small volumes of anti-ING5 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 ING5 purchase	MBS7050727 is an antibody targeting ING5. Also known as ING5 Antibody. Reactive in Human. Host: Rabbit.



Immunofluorescence (IF) of anti-ING5 antibody
Immunofluorescent analysis of Hela cells using MBS7050727 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ING5. It may not necessarily be applicable to this product.

NCBI GI #	1054467226
NCBI GeneID	84289
NCBI Accession #	NP_001317091.1
UniProt Primary Accession #	Q8WYH8
UniProt Secondary Accession #	Q53NU6; Q57Z54; Q9BS30; A8K1P3
UniProt Related Accession #	Q8WYH8
GenBank Nucleotide #	NM_001330162.1
NCBI Official Full Name	inhibitor of growth protein 5 isoform 3
NCBI Official Synonym Full Names	inhibitor of growth family member 5
NCBI Official Symbol	ING5
NCBI Official Synonym Symbols	p28ING5
UniProt Protein Name	Inhibitor of growth protein 5
UniProt Synonym Protein Names	p28ING5
Protein Family	Inhibitor of growth protein
UniProt Gene Name	ING5
UniProt Entry Name	ING5_HUMAN
NCBI Protein Information	inhibitor of growth protein 5
NCBI Summary for ING5	This gene encodes a tumor suppressor protein that inhibits cell growth and induces apoptosis. This protein contains a PHD-type zinc finger. It interacts with tumor suppressor p53 and p300, a component of the histone acetyl transferase complex, suggesting a role in transcriptional regulation. Alternative splicing and the use of multiple promoters and 3' terminal exons results in multiple transcript variants. [provided by RefSeq, Aug 2016]

UniProt Comments for ING5	ING5: Component of the HBO1 complex which has a histone H4- specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. Through chromatin acetylation it may regulate DNA replication and may function as a transcriptional coactivator. Belongs to the ING family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Tumor suppressor Chromosomal Location of Human Ortholog: 2q37.3 Cellular Component: nucleoplasm; nucleus Molecular Function: methylated histone residue binding; protein binding Biological Process: DNA replication; negative regulation of cell proliferation; negative regulation of growth; positive regulation of apoptosis; positive regulation of transcription, DNA-dependent; protein amino acid acetylation
Research Articles on ING5	**1.** miR-331-3p is upregulated by HBV and promotes proliferation of hepatocellular carcinoma cells though repression of ING5 expression.
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-antibody/ing5/7050727