

Rabbit anti-Human ING5 Monoclonal Antibody | anti-ING5 antibody

Recombinant Anti-ING5 Antibody, Rabbit Monoclonal

CATALOG # AAA255709	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

ING5; Monoclonal Antibody; Recombinant Anti-ING5 Antibody; Rabbit Monoclonal; ING5 Antibody; Rabbit MAb; inhibitor of growth family; member 5; Anti-p28ING5 Antibody; anti-ING5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	119
Specificity	Human ING5
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ING5 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human ING5 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human ING5 (rh ING5).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-ING5 rabbit monoclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 28 kDa Observed band size: 34 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)

ING5 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 2 uL anti-ING5 rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-ING5 rabbit monoclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 28 kDa Observed band size: 32 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ING5 antibody	ING5 belongs to the ING family. It contains 1 PHD-type zinc finger and is a component of the HBO1 complex. HBO1 complex 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. HBO1 complex composed at least of ING4 or ING5, KAT7/HBO1, MEAF6, and one of PHF15, PHF16, and PHF17. ING5 also is a component of the MOZ/MORF complex which is composed at least of ING5, KAT6A, KAT6B, MEAF6, and one of BRPF1, BRD1/BRPF2, and BRPF3. It interacts with EP300 and TP53. MOZ/MORF complex has a histone H3 acetyltransferase activity. Through chromatin acetylation, ING5 may regulate DNA replication and may function as a transcriptional coactivator. It interacts with H3K4me3 and to a lesser extent with H3K4me2. ING5 is similar to ING1, a tumor suppressor protein that can interact with TP53, inhibit cell growth, and induce apoptosis. It can bind TP EP300/p300, a component of the histone acetyltransferase complex, suggesting its involvement in the TP53-dependent regulatory pathway.
References	Zhang F, et al. (2011) The inhibitor of growth protein 5 (ING5) depends on INCA1 as a co-factor for its antiproliferative effects. PLoS One. (7):e21505. Zheng HC, et al. (2011) The nuclear to cytoplasmic shift of ING5 protein during colorectal carcinogenesis with their distinct links to pathologic behaviors of carcinomas. Hum Pathol. 42(3):424-33. Xing YN, et al. (2011) The altered expression of ING5 protein is involved in gastric carcinogenesis and subsequent progression. Hum Pathol. 42(1):25-35.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57012960
NCBI GeneID	84289
UniProt Accession #	Q8WYH8; Q53NU6; Q57Z54; Q9BS30; A8K1P3
Molecular Weight	240
NCBI Official Full Name	Inhibitor of growth protein 5
NCBI Official Synonym Full Names	inhibitor of growth family, member 5
NCBI Official Symbol	ING5
NCBI Official Synonym Symbols	p28ING5
NCBI Protein Information	inhibitor of growth protein 5
UniProt Protein Name	Inhibitor of growth protein 5
UniProt Gene Name	ING5
UniProt Entry Name	ING5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ing5-antibody-clone-119-immunoprecipitation-western-blot-elisa/255709>