

Human ING2 antibody

Catalog Number: ATGA0290

PRODUCT INFORMATION

Catalog number

ATGA0290

Clone No.

AT39E5

Product type

Monoclonal Antibody

UnitProt No.

Q9H160

NCBI Accession No.

NP_001555

Alternative Names

inhibitor of growth protein 2, ING1L, P33ing2

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human ING2 (1-280aa) purified from E. coli

Isotype

IgG1b kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ING2 is a member of the inhibitor of growth (ING) family. Members of the ING family associate with and modulate the activity of histone acetyltransferase (HAT) and histone deacetylase (HDAC) complexes and function in DNA repair and apoptosis. This protein seems to be involved in p53/TP53 activation and p53/TP53-dependent apoptotic pathways, probably by enhancing acetylation of p53/TP53. Also, It is component of a mSin3A-like corepressor complex, which is probably involved in deacetylation of nucleosomal histones. ING2 activity seems to be modulated by binding to phosphoinositides.

General References

Entrez Gene: ING2 inhibitor of growth family, member 2.
Shimada Y., et al. (1999) Cytogenet Cell Genet 83 (3-4): 232-5.
Nagashima M., et al. (2001) Proc. Natl. Acad. Sci. U.S.A. 98: 9671-9676.
Gozani O., et al. (2003) Cell 114: 99-111.

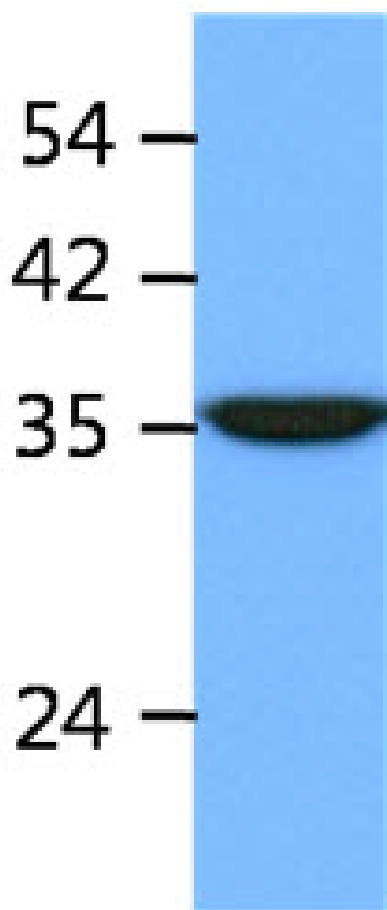
DATA

Western blot analysis (WB)

Human ING2 antibody

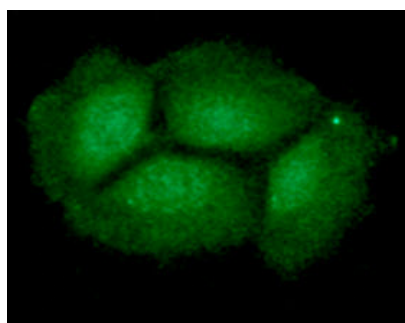
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HeLa



The cell lysate of HeLa (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ING2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of ING2 in Hep3B cells. The cell was stained with ATGA0290 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).