

Human GAS7 antibody

Catalog Number: ATGA0147

PRODUCT INFORMATION

Catalog number

ATGA0147

Clone No.

AT4H8

Product type

Monoclonal Antibody

UnitProt No.

O60861

NCBI Accession No.

NP_958836

Alternative Names

Growth arrest-specific 7 isoform b, KIAA0394, Growth arrest-specific 7, isoform b Growth arrest specific 7, GAS 7, GAS7, MGC1348, MLL/GAS7 fusion protein.

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 GAS7 (1-416aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1000. Recommended starting dilution is 1:500.

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Storage

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

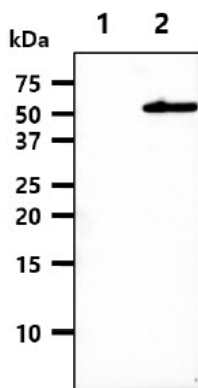
Growth arrest-specific 7, also known as GAS7, is expressed primarily in terminally differentiated brain cells and predominantly in mature cerebellar Purkinje neurons. GAS7 plays a putative role in neuronal development by promoting maturation and morphological differentiation of cerebellar neurons. Inhibition of GAS7 production in terminally differentiating cultures of embryonic murine cerebellum impedes neurite outgrowth. Conversely, the hyper-expression of GAS7 may play an important role in the initiation and development of human osteosarcoma.

General References

Chao CC, et al., (2005) J Neurosci Res. 81(2):153-62
She BR, et al., (2002) Exp Cell Res. 273(1):34-44

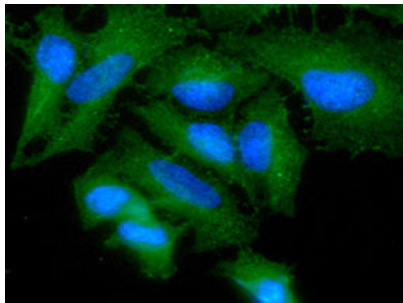
DATA

Western blot analysis (WB)



The extracts of mouse brain (50ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human GAS7 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

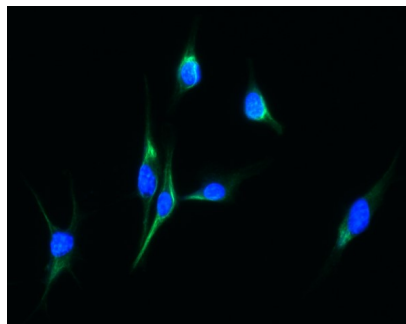
Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of GAS7 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GAS7 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

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ICC/IF analysis of GAS7 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GAS7 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).