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# **Human GAS7 antibody**

Catalog Number: ATGA0147

#### **PRODUCT INFORMATION**

### Catalog number

ATGA0147

#### Clone No.

AT4H8

### **Product type**

Monoclonal Antibody

#### UnitProt No.

060861

#### **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  $1:500 \sim 1000$ . 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**

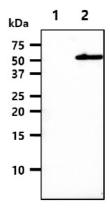
Growth arrest-specific 7, also known as GAS7, is expressed primarily in terminally differentiated brain cells and predominantly in mature cerebellar Purkinje neurons. GAS7 plays a putative role in neuronal development by promoting maturation and morphological differentiation of cerebellar neurons. Inhibition 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

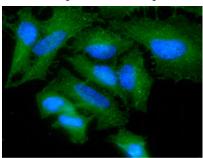
## **DATA**

# 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)



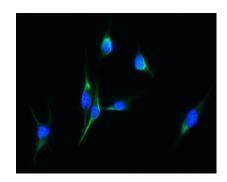
ICC/IF analysis of GAS7 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GAS7 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



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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).

