

## **PRODUCT INFORMATION**

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**Product name :** GAS7 antibody

**Product type :** Primary antibodies

**Description :** Rabbit polyclonal to GAS7

**Immunogen :** 3 synthetic peptides (human) conjugated to KLH

**Reacts with :** Hu, Ms

**Tested applications :** ELISA, WB and IF

## **GENE INFORMATION**

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**Gene Symbol :** GAS7

**Gene Name :** growth arrest-specific 7

**Ensembl ID :** ENSG00000007237

**Entrez GeneID :** 8522

**GenBank Accession number :** AB007854

**Omim ID :** 603127

**Swiss-Prot :** O60861

**Molecular weight of GAS7 :** 54.4kDa

**Function :** May play a role in promoting maturation and morphological differentiation of cerebellar neurons.

**Expected subcellular localization :** Cytoplasm

**Summary :** Growth arrest-specific 7 is expressed primarily in terminally differentiated brain cells and predominantly in mature cerebellar Purkinje neurons. GAS7 plays a putative role in neuronal development. Several transcript variants encoding proteins which vary in the N-terminus have been described. [provided by RefSeq]

## **APPLICATION NOTE**

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### **Recommended dilution :**

- **ELISA:** Antibody specificity was verified by direct ELISA against the 3 immunogen peptides. A titer of 1/12000 has been determined. Appropriate specificity controls were run.
- **WB:** 1/5000.
- **IF:** 1/1000.

**Optimal dilutions/concentration should be determined by the end user.**

**Raised in :** Rabbit

**Clonality :** Polyclonal

**Isotype :** IgG

**Purity :** Purified antibody

**Storage buffer :** 0.5 X PBS, containing a final concentration of 50% Glycerol, 0.1% BSA and 0.01% Thimerosal.

**Form :** Liquid

**Storage instruction :** Store at -20°C or -80°C. Avoid repeated freeze / thaw cycles

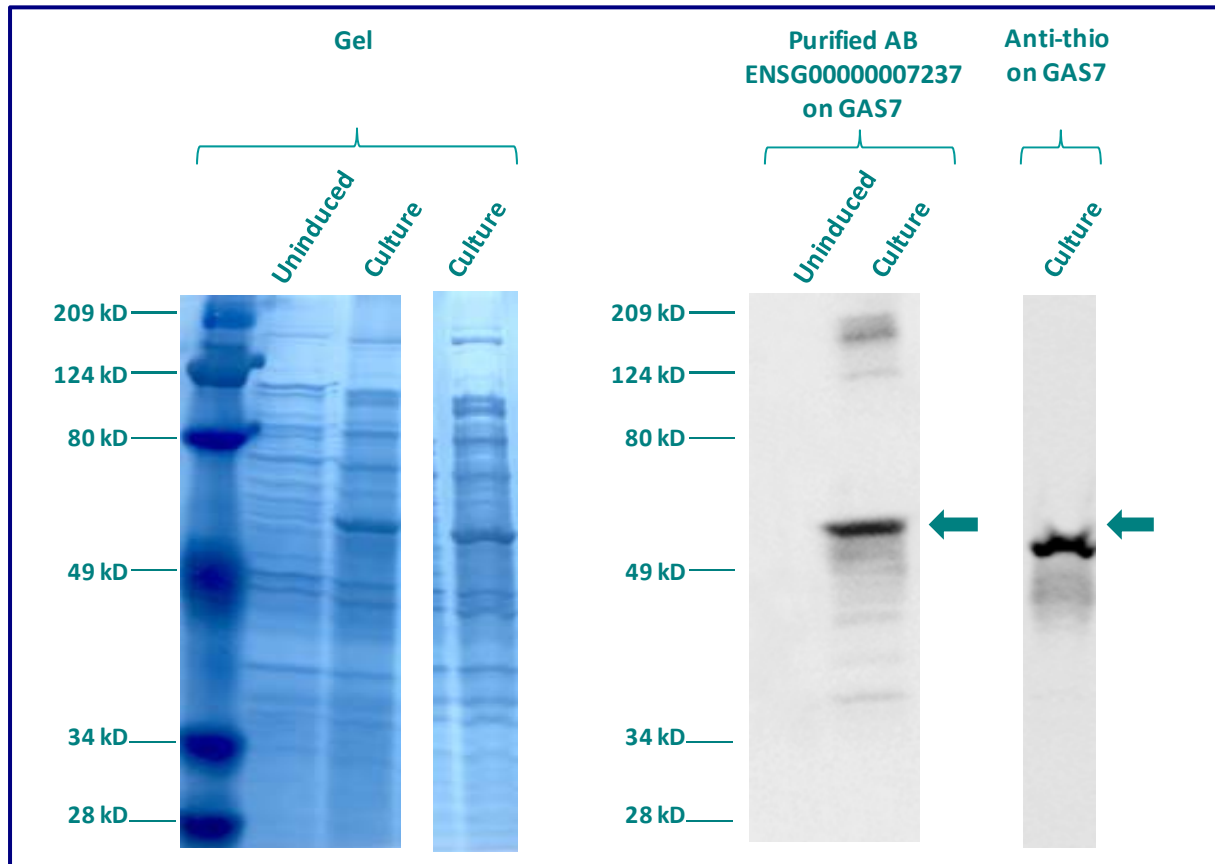
## WESTERN BLOT ON RECOMBINANT PROTEIN

The purified antibody ENSG0000007237 has been tested at 1/5000 on uninduced (negative control) and induced culture of E.coli (one shot Top10 competent cells).

An anti-thio (positive control) has been tested at 1/5000 on uninduced (negative control) and induced culture of E.coli (one shot Top10 competent cells) as a positive control.

Plasmid name : pBAD-DEST49.

Molecular weight of GAS7 : 68.4kDa (54.4kDa + another 14kDa for the tag).



Gel concentration: 10%

Blocking: in 5% non-fat milk-PBST solution

1<sup>st</sup> Antibody: The antibodies are diluted in blocking buffer.

- Dilute the purified antibody ENSG0000007237 at 1:5000
- Dilute the anti-thio at 1:5000

60 minutes of incubation

2<sup>nd</sup> Antibody: The antibody is diluted in blocking buffer.

- Dilute the anti-Rabbit IgG HRP conjugated at 1/10000
- 60 minutes of incubation

## IMMUNOFLUORESCENCE ANALYSIS

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Immunofluorescence analysis of Growth arrest-specific protein 7 (GAS7) expression in 3 cells lines (HELA, Capan-2, Skin 3.44). The purified Antibody ENSG0000007237 has been tested at 1/5000.

**Red staining** : cytoskeleton (microtubules/ $\alpha$ -tubuline)

**Blue staining** : nucleus (Hoechst)

**Green staining** : anti- GAS7 antibody (purified)

**Expected subcellular location** : Cytoplasm

