(KO Validated) GARS Polyclonal Antibody

Catalog Number:E-AB-60963

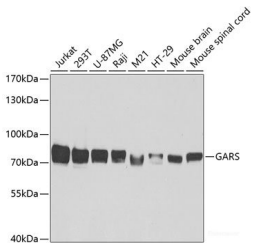
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human,Mouse,Rat
Immunogen	Recombinant fusion protein of human GARS (NP_002038.2).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications	Recommended Dilution
WB	1:1000-1:4000
IHC	1:50-1:200
IF	1:50-1:200

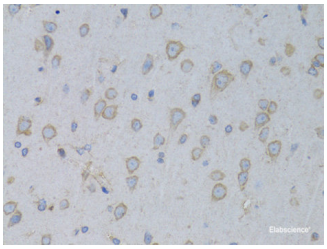
Data



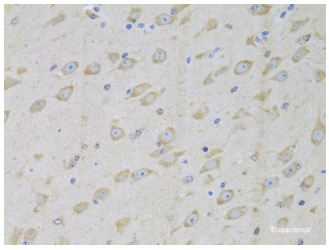
Western blot analysis of extracts of various cell lines using GARS Polyclonal Antibody at dilution of 1:5000.

Observed Mw:83kDa

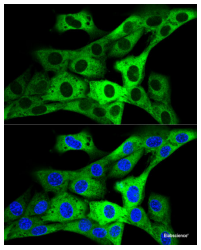
Calculated Mw:83kDa



Immunohistochemistry of paraffin-embedded Rat brain using GARS Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse brain using GARS Polyclonal Antibody at dilution of 1:100 (40x lens).



Confocal immunofluorescence analysis of NIH-3T3 cells using GARS Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.

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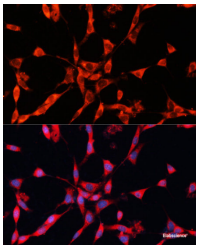

Immunofluorescence analysis of NIH/3T3 cells using GARS Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha)2 dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Two transcript variants encoding different isoforms have been found for this gene.

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