abcam

Product datasheet

Anti-GART antibody [EPR11622] ab169550

Recombinant RabMAb

★★★★★ 1 Abreviews 4 References 7 Images

Overview

Product name	Anti-GART antibody [EPR11622]
Description	Rabbit monoclonal [EPR11622] to GART
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, WB, IHC-P **Unsuitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Recombinant fragment corresponding to Human GART.
Positive control	HeLa, HepG2, K562 and A431 cell lysates; Human colonic adenocarcinoma and tonsil tissues; HepG2 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR11622
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab169550 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★★ (1)	1/100 - 1/500.
WB		1/1000 - 1/5000. Predicted molecular weight: 107 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt.

Target

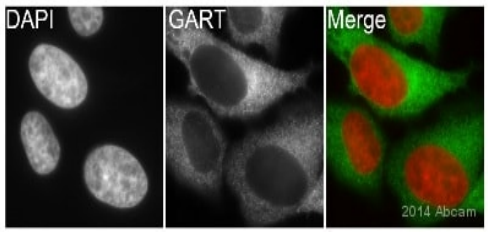
Pathway

Purine metabolism; IMP biosynthesis via de novo pathway; 5-amino-1-(5-phospho-D-ribosyl)imidazole from N(2)-formyl-N(1)-(5-phospho-D-ribosyl)glycinamide: step 2/2.
Purine metabolism; IMP biosynthesis via de novo pathway; N(1)-(5-phospho-D-ribosyl)glycinamide from 5-phospho-alpha-D-ribose 1-diphosphate: step 2/2.
Purine metabolism; IMP biosynthesis via de novo pathway; N(2)-formyl-N(1)-(5-phospho-D-ribosyl)glycinamide from N(1)-(5-phospho-D-ribosyl)glycinamide (10-formyl THF route): step 1/1.

Sequence similarities

In the N-terminal section; belongs to the GARS family.
In the central section; belongs to the AIR synthase family.
In the C-terminal section; belongs to the GART family.
Contains 1 ATP-grasp domain.

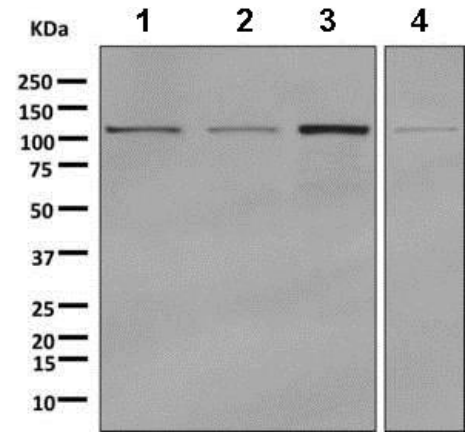
Images



Immunocytochemistry/ Immunofluorescence - Anti-GART antibody [EPR11622] (ab169550)

This image is courtesy of an Abreview submitted by Kirk McManus

ab169550 staining GART in human HeLa cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde and permeabilized with 0.5% Triton X-100 in PBS. Samples were incubated with primary antibody (1/500 in PBS) for 1 hour at 22°C. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody. Counterstained with DAPI.



Western blot - Anti-GART antibody [EPR11622] (ab169550)

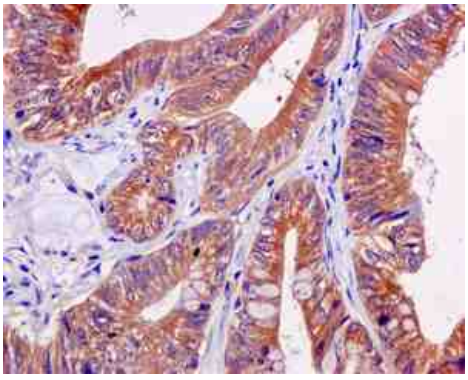
All lanes : Anti-GART antibody [EPR11622] (ab169550) at 1/1000 dilution

Lane 1 : HeLa cell lysate
Lane 2 : HepG2 cell lysate
Lane 3 : K562 cell lysate
Lane 4 : A431 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

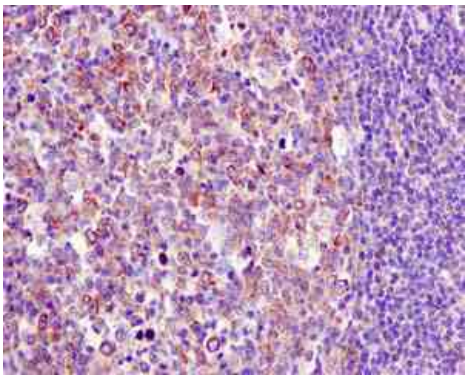
Predicted band size: 107 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GART antibody [EPR11622] (ab169550)

Immunohistochemical analysis of paraffin-embedded Human colonic adenocarcinoma tissue labeling GART with ab169550 at 1/50 dilution.

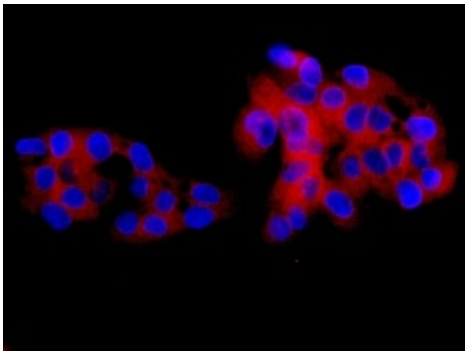
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GART antibody [EPR11622] (ab169550)

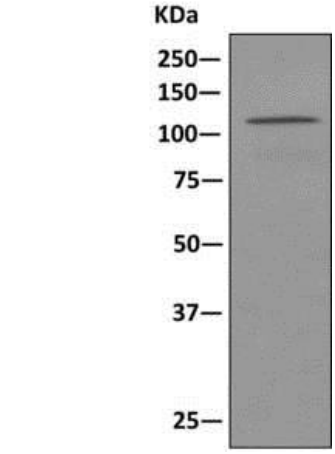
Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling GART with ab169550 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-GART antibody [EPR11622] (ab169550)

Immunofluorescent analysis of HepG2 cells labeling GART with ab169550 at 1/100 dilution.



Western blot - Anti-GART antibody [EPR11622] (ab169550)

Anti-GART antibody [EPR11622] (ab169550) at 1/1000 dilution + immunoprecipitation pellet from HeLa cell lysate

Secondary

HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG

Predicted band size: 107 kDa

Anti-GART antibody [EPR11622] (ab169550)

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