


Product datasheet

Anti-GAS2 antibody [EPR1742(2)] ab109762

Recombinant RabMAb

[4 References](#) [3 Images](#)

Overview

Product name	Anti-GAS2 antibody [EPR1742(2)]
Description	Rabbit monoclonal [EPR1742(2)] to GAS2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HepG2, fetal liver, fetal kidney, and Jurkat lysates, Human stomach tissue
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR1742(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab109762 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

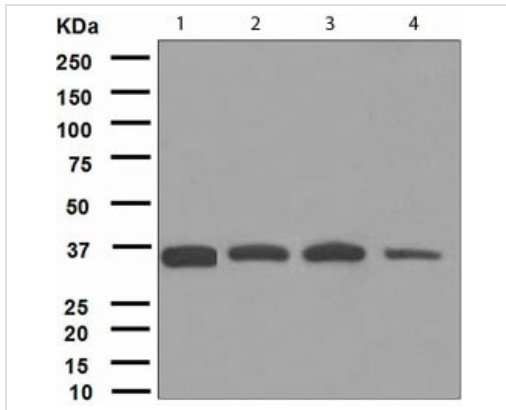
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 35 kDa (predicted molecular weight: 35 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

Function	May play a role in apoptosis by acting as a cell death substrate for caspases. Is cleaved during apoptosis and the cleaved form induces dramatic rearrangements of the actin cytoskeleton and potent changes in the shape of the affected cells. May be involved in the membrane ruffling process.
Tissue specificity	Ubiquitously expressed with highest levels in liver, lung, and kidney. Not found in spleen.
Sequence similarities	Belongs to the GAS2 family. Contains 1 CH (calponin-homology) domain. Contains 1 GAR domain.
Developmental stage	Specifically expressed at growth arrest.
Post-translational modifications	Cleaved, during apoptosis, on a specific aspartic residue by caspases. Phosphorylated on serine residues during the G0-G1 transition phase.
Cellular localization	Cytoplasm > cytoskeleton. Membrane. Component of the microfilament system. Colocalizes with actin fibers at the cell border and along the stress fibers in growth-arrested fibroblasts. Mainly membrane-associated. When hyperphosphorylated, accumulates at membrane ruffles.

Images



Western blot - Anti-GAS2 antibody [EPR1742(2)] (ab109762)

All lanes : Anti-GAS2 antibody [EPR1742(2)] (ab109762) at 1/1000 dilution

Lane 1 : HepG2 lysate

Lane 2 : Human fetal liver lysate

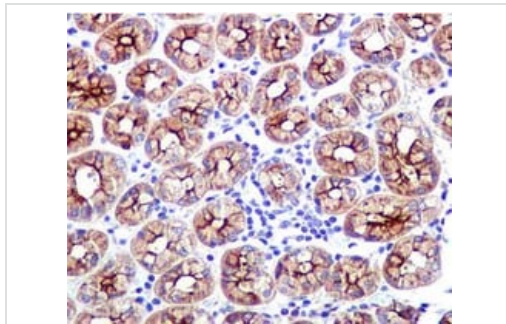
Lane 3 : Human fetal kidney lysate

Lane 4 : Jurkat lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 35 kDa

Observed band size: 35 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GAS2 antibody [EPR1742(2)] (ab109762)

Immunohistochemical analysis of paraffin-embedded Human stomach tissue using ab109762 at a dilution of 1/50.

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

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-GAS2 antibody [EPR1742(2)] (ab109762)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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