

Anti-GAS 6 Picoband Antibody
Catalog # ABO10094**Specification**

Anti-GAS 6 Picoband Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q14393
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Growth arrest-specific protein 6(GAS6) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-GAS 6 Picoband Antibody - Additional Information

Gene ID 2621

Other Names

Growth arrest-specific protein 6, GAS-6, AXL receptor tyrosine kinase ligand, GAS6, AXLLG

Calculated MW

79677 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human

Subcellular Localization

Secreted .

Tissue Specificity

Plasma. Isoform 1 and isoform 2 are widely expressed. Isoform 1 is the predominant form in spleen. .

Protein Name

Growth arrest-specific protein 6

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

E.coli-derived human GAS 6 recombinant protein (Position: M488-S660). Human GAS 6 shares 79.7% and 81.4% amino acid (aa) sequence identity with mouse and rat GAS 6, respectively.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-GAS 6 Picoband Antibody - Protein Information

Name GAS6 ([HGNC:4168](#))

Synonyms AXLLG

Function

Ligand for tyrosine-protein kinase receptors AXL, TYRO3 and MER whose signaling is implicated in cell growth and survival, cell adhesion and cell migration. GAS6/AXL signaling plays a role in various processes such as endothelial cell survival during acidification by preventing apoptosis, optimal cytokine signaling during human natural killer cell development, hepatic regeneration, gonadotropin-releasing hormone neuron survival and migration, platelet activation, or regulation of thrombotic responses.

Cellular Location

Secreted.

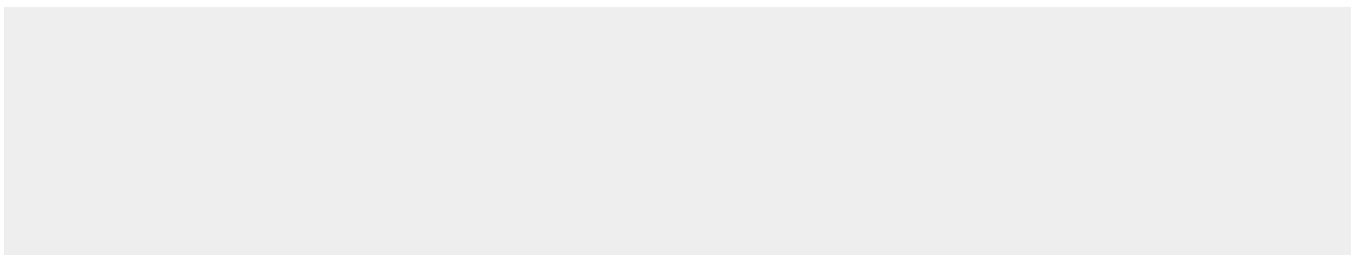
Tissue Location

Plasma. Isoform 1 and isoform 2 are widely expressed, isoform 1 being expressed at higher levels than isoform 2 in most tissues. Isoform 2 is the predominant form in spleen

Anti-GAS 6 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GAS 6 Picoband Antibody - Images

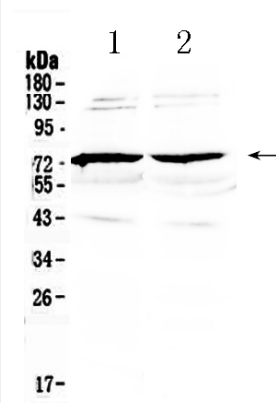


Figure 1. Western blot analysis of GAS 6 using anti-GAS 6 antibody (ABO10094). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GAS 6 antigen affinity purified polyclonal antibody (Catalog # ABO10094) at 0.5 μ g/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GAS 6 at approximately 75KD. The expected band size for GAS 6 is at 79KD.

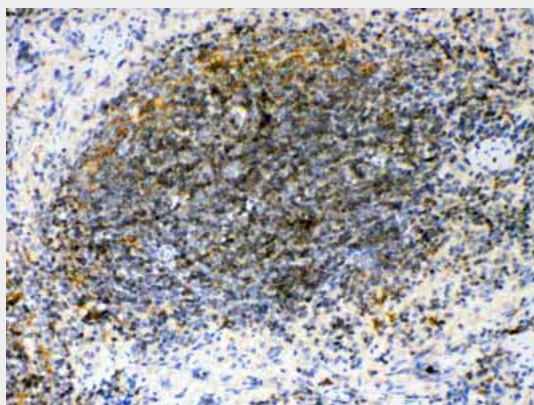


Figure 2. IHC analysis of GAS 6 using anti- GAS 6 antibody (ABO10094).GAS 6 was detected in paraffin-embedded section of mouse spleen tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 μ g/ml rabbit anti-GAS 6 Antibody (ABO10094) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

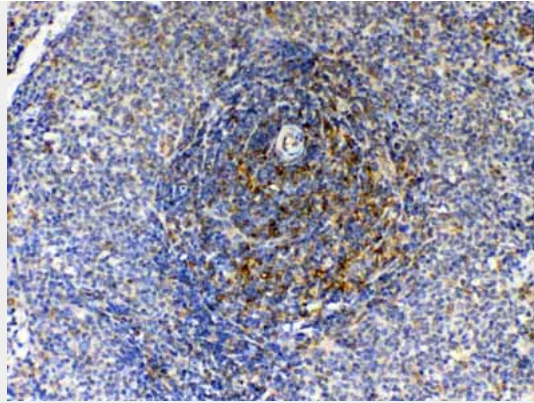


Figure 3. IHC analysis of GAS 6 using anti- GAS 6 antibody (ABO10094). GAS 6 was detected in paraffin-embedded section of rat spleen tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1½g/ml rabbit anti- GAS 6 Antibody (ABO10094) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

Anti-GAS 6 Picoband Antibody - Background

Growth arrest-specific 6, also known as GAS6, is a human gene coding for the Gas6 protein. It is similar to the Protein S with the same domain organization and 43% amino acid identity. It was originally found as a gene upregulated by growth arrested fibroblasts. This gene is frequently overexpressed in many cancers and has been implicated as an adverse prognostic marker. Elevated protein levels are additionally associated with a variety of disease states, including venous thromboembolic disease, systemic lupus erythematosus, chronic renal failure, and preeclampsia.