



Rabbit Anti-GAS 6 antibody

SL7549R

Product Name:	GAS 6
Chinese Name:	生长停滞特异性蛋白6抗体
Alias:	AXL receptor tyrosine kinase ligand; AXL stimulatory factor; AXLLG; AXS F; AXSF; Gas 6; GAS6; Growth-arrest-specific protein 6; Growth-arrest-specific protein 6 precursor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	76kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GAS 6:551-650/721
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	GAS 6 is a ligand for the tyrosine-protein kinase receptors AXL, TYRO3 and MER whose signaling is implicated in cell growth and survival, cell adhesion and cell migration. GAS 6 regulates chondrogenic differentiation from mesenchymal cells and also plays a role in thrombosis by amplifying platelet aggregation and secretion in response to known agonists. It is over expressed in human gliomas and regulate the

phagocytic function of sertoli cells.

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.

Subunit:

Heterodimer and heterotetramer with AXL.

Subcellular Location:

Secreted.

Tissue Specificity:

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

Post-translational modifications:

Isoform 1 is proteolytically processed after secretion to yield a N-terminal 36 kDa protein and a C-terminal 50 kDa protein including the laminin G-like domains which activates AXL.

Gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation. These residues are essential for the binding of calcium.

Similarity:

Contains 4 EGF-like domains.

Contains 1 Gla (gamma-carboxy-glutamate) domain.

Contains 2 laminin G-like domains.

SWISS:

Q14393

Gene ID:

2621

Database links:

[Entrez Gene: 2621](#)Human

[Entrez Gene: 14456](#)Mouse

[Oimim: 600441](#)Human

[SwissProt: Q14393](#)Human

[SwissProt: Q61592](#)Mouse

[Unigene: 646346](#)Human

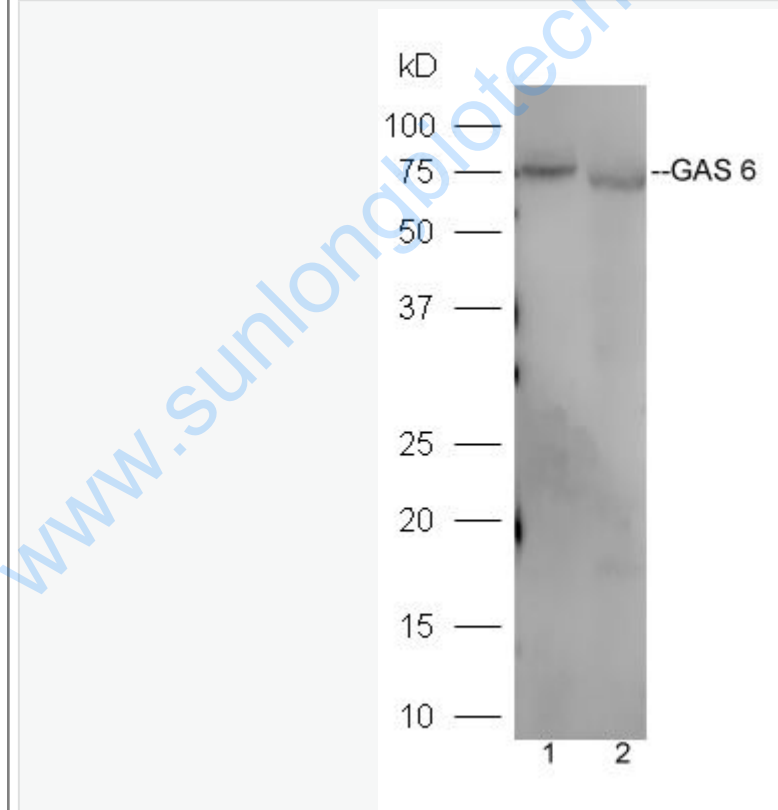
[Unigene: 3982](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

GAS6在基因转录调节中起重要的调节作用,参与对细胞存活、增殖、粘附、迁移及抗凋亡的调节, Axl属于受体酪氨酸激酶(receptor tyrosine kinases,RTK)家族成员,为Axl的生物配体。经研究发现;Gas6与多种Tumour细胞的增殖、存活、血管发生、侵袭有关, Gas6系统具有广泛的生物学作用, Gas6属维生素K依赖的蛋白质,广泛表达于各类细胞。

Picture:



Sample:

Liver (Mouse) Lysate at 40 ug

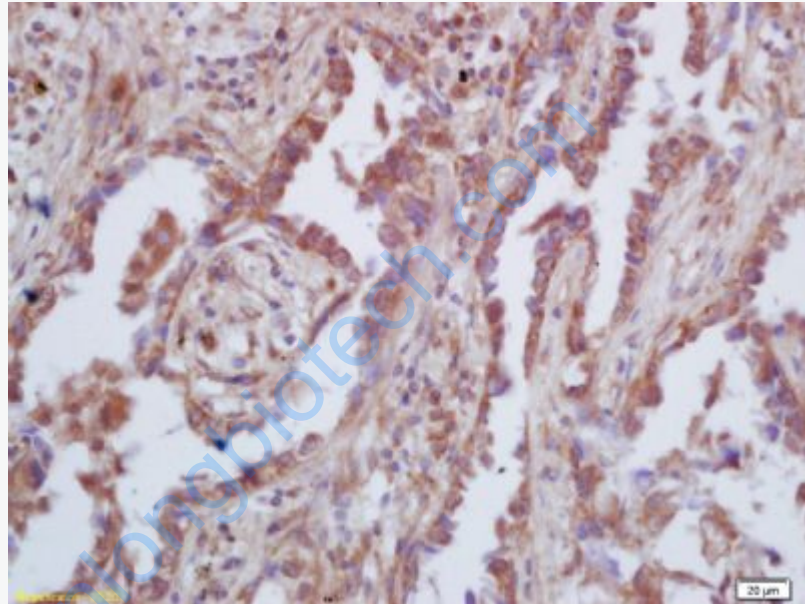
Kidney (Mouse) Lysate at 40 ug

Primary: Anti-GAS 6 (SL7549R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL7549R) at 1/5000 dilution

Predicted band size: 76 kD

Observed band size: 76 kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-GAS6 Polyclonal Antibody, Unconjugated(SL7549R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining