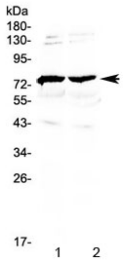
GAS6 Antibody / Growth arrest-specific 6 (R32767)

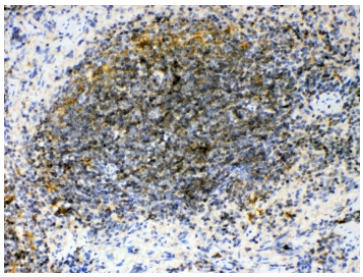
Catalog No.	Formulation	Size
R32767	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

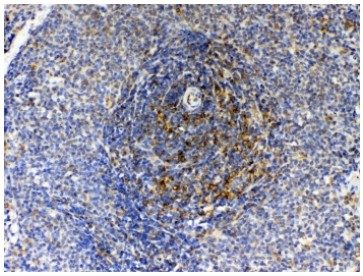
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q14393
Localization	Cytoplasmic, secreted
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This GAS6 antibody is available for research use only.



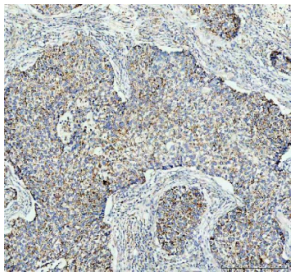
Western blot testing of 1) mouse brain and 2) rat brain lysate with GAS6 antibody at 0.5ug/ml. Predicted molecular weight: 42-80 kDa (multiple isoforms).



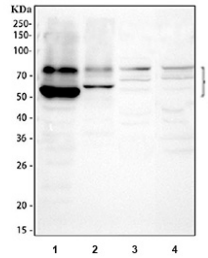
IHC testing of FFPE mouse spleen tissue with GAS6 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



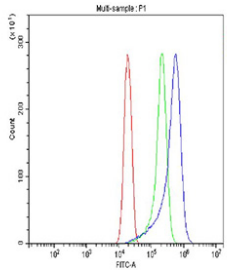
IHC testing of FFPE rat spleen tissue with GAS6 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE human lung cancer tissue with GAS6 antibody at 1ug/ml. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



Western blot testing of 1) human ThP-1, 2) human A431, 3) rat brain and 4) mouse brain lysate with GAS6 antibody at 0.5ug/ml. Predicted molecular weight: 42-80 kDa (multiple isoforms).



Flow cytometry testing of fixed and permeabilized human ThP-1 cells with GAS6 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GAS6 antibody.

Description

GAS6, or Growth arrest-specific 6, is a secreted protein that plays a critical role in cell survival, proliferation, and immune regulation. It is part of the vitamin K-dependent protein family and functions primarily as a ligand for the TAM family of receptor tyrosine kinases, including AXL, MER, and TYRO3. Through these interactions, GAS6 modulates diverse physiological processes such as hemostasis, inflammation resolution, and clearance of apoptotic cells.

GAS6 is expressed in a variety of tissues, including endothelial cells, immune cells, and vascular smooth muscle. Its expression is typically upregulated in response to cellular stress or growth arrest, which is reflected in its name. Dysregulation of GAS6 signaling has been linked to pathological conditions such as cancer, fibrosis, and autoimmune

disorders.

Multiple isoforms of GAS6 have been identified through alternative splicing. These isoforms may vary in receptor affinity and biological function, which highlights the importance of using a validated GAS6 antibody that can distinguish between different isoforms in experimental applications.

The GAS6 antibody is a critical tool for detecting and studying the expression of GAS6 in research involving oncology, immunology, and vascular biology. Researchers commonly use the GAS6 antibody in applications such as western blot, ELISA, immunohistochemistry, and flow cytometry to investigate the role of GAS6 in cellular signaling pathways. A high-quality GAS6 antibody ensures reliable detection of both full-length and isoform-specific variants of the protein.

NSJ Bioreagents offers a selection of GAS6 antibody products designed to meet the needs of investigators studying the role of GAS6 in health and disease.

Application Notes

Optimal dilution of the GAS6 antibody should be determined by the researcher.

Immunogen

Amino acids M488-S660 from the human protein were used as the immunogen for the GAS6 antibody.

Storage

After reconstitution, the GAS6 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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