

GAS2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18918A

Specification

GAS2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O43903
Other Accession	NP_001137302.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34945
Antigen Region	68-94

GAS2 Antibody (N-term) - Additional Information

Gene ID 2620

Other Names

Growth arrest-specific protein 2, GAS-2, GAS2

Target/Specificity

This GAS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-94 amino acids from the N-terminal region of human GAS2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GAS2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GAS2 Antibody (N-term) - Protein Information

Name GAS2

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 (By similarity).

Cellular Location

Cytoplasm, cytoskeleton, stress fiber. Membrane {ECO:0000250|UniProtKB:P11862}; Peripheral membrane protein {ECO:0000250|UniProtKB:P11862} Note=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 {ECO:0000250|UniProtKB:P11862}

Tissue Location

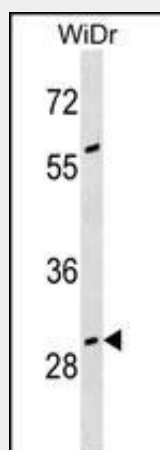
Ubiquitously expressed with highest levels in liver, lung, and kidney. Not found in spleen

GAS2 Antibody (N-term) - 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](#)

GAS2 Antibody (N-term) - Images



GAS2 Antibody (N-term) (Cat. #AP18918a) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the GAS2 antibody detected the GAS2 protein (arrow).

GAS2 Antibody (N-term) - Background

The protein encoded by this gene is a caspase-3 substrate that plays a role in regulating microfilament and cell shape changes during apoptosis. It can also modulate cell susceptibility to p53-dependent apoptosis by inhibiting calpain activity. Multiple alternatively spliced variants, encoding the same protein, have been identified.

GAS2 Antibody (N-term) - References

Huang, W., et al. Mol. Cell. Biol. 30(19):4575-4594(2010)
Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
Benetti, R., et al. J. Biol. Chem. 280(23):22070-22080(2005)
Tsutsumi, S., et al. Am. J. Hum. Genet. 74(6):1255-1261(2004)
Benetti, R., et al. EMBO J. 20(11):2702-2714(2001)