

**GAS2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18918a****Specification**

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**GAS2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O43903](#)**GAS2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2620**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GAS2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **GAS2 Antibody (N-term) Blocking Peptide - Images**

#### **GAS2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)