



GAS2 Monoclonal Antibody

Catalog No	YP-mAb-05610
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	GAS2
Protein Name	Growth arrest-specific protein 2 (GAS-2)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	GAS2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	34kD
Cell Pathway	Cytoplasm, cytoskeleton, stress fiber . Membrane ; Peripheral membrane protein . 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. .
Tissue Specificity	Ubiquitously expressed with highest levels in liver, lung, and kidney. Not found in spleen.
Function	developmental stage:Specifically expressed at growth arrest.,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.,PTM:Cleaved, during apoptosis, on a specific aspartic residue by caspases.,PTM:Phosphorylated on serine residues during the G0-G1 transition phase.,similarity:Belongs to the GAS2 family.,similarity:Contains 1 CH (calponin-homology) domain.,subcellular location: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.,tissue specificity:Ubiquitously expressed w

**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. [provided by RefSeq, Jan 2009],

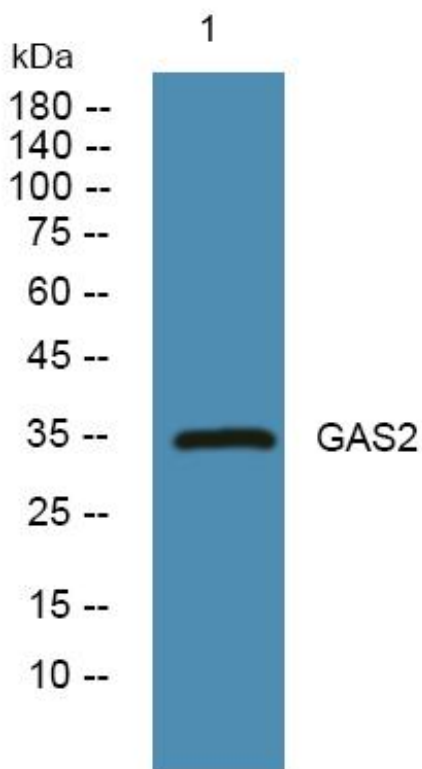
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using GAS2 Monoclonal Antibody