bs-13289R

[Primary Antibody]

GAS2 Rabbit pAb



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DATASHEET		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GenelD: 2620	SWISS: 043903	ICC/IF (1:100-500)
Target: GAS2		ELISA (1:5000-10000)
Immunogen: KLH conjugated sy 141-240/313.	nthetic peptide derived from human GAS2:	Reactivity: (predicted: Human, Mouse, Rat, Pig, Sheep, Cow)
Purification: affinity purified by	Protein A	
Concentration: 1mg/ml		Predicted
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles		Subcellular Location: Cell membrane, Cytoplasm
Background: Gas2 is a 313 amino acid protein encoded by the human gene GAS2. Gas2 is thought to play a role in apoptosis by acting as a cell death substrate for caspases. Gas2, a component of the microfilament system, is cleaved by a caspase (caspase-3 and caspase-7) at Asparagine 278 during apoptosis. The cleaved form resulting from this dramatically induces the rearrangement of the Actin cytoskeleton and causes potent changes in the shape of the affected cells. Gas2 is believed to also be involved in the membrane ruffling process. During the G0-G1 transition phase Gas2 can be found phosphorylated on its serine residues. Gas2 is a cytoskeleton and peripheral membrane protein that co-localizes with Actin fibers at the cell border and along the stress fibers in growth-arrested fibroblasts. Gas2 is mainly membrane-associated but when hyperphosphorylated it will accumulate at membrane ruffles. Gas2 is specifically expressed at growth arrest and is ubiquitously expressed with highest levels found in liver, lung and kidney. There is no evidence, however, of Gas2 expression in spleen.		ll 2 2 2 3 4 4

- SELECTED CITATIONS ------

• [IF=2.6] Gül Semir. et al. High Carbohydrate, Fat, and Protein Diets Have a Critical Role in Folliculogenesis and Oocyte Development in Rats. REPROD SCI. 2024 Jun;:1-13 IHC ;Rat. 38937400