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## Gsh1 Rabbit pAb

Catalog Number: bs-11612R

Target Protein: Gsh1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse (predicted:Human, Rat, Pig, Sheep, Dog)

Predicted MW: 28 kDa

Entrez Gene: 219409

Swiss Prot: Q9H4S2

Source: KLH conjugated synthetic peptide derived from human Gsh1: 165-264/264.

Purification: affinity purified by Protein A

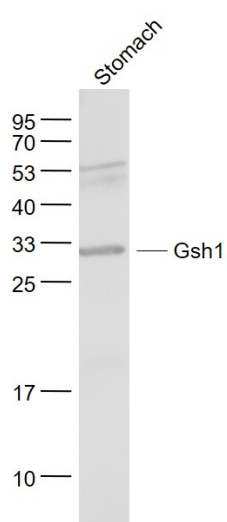
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Growth hormone-releasing hormone (GHRH) stimulates secretion and synthesis of growth hormone (GH), causes somatotroph proliferation and may have direct actions in fetal/placental development, reproduction and immune function. It exerts its action through high-affinity GHRH receptors present in the anterior pituitary. GSH-1 (GS homeobox 1) is a 264 amino acid hypothalamic nuclear protein that functions as a transcription factor responsible for maintaining GHRH expression as well as playing an important role in pituitary development. Coexpression of CBP leads to significantly enhanced GSH-1-induced GHRH expression, which suggest that CBP may function as a co-activator. Knockdown of GSH-1 mRNA in mice causes a dwarf phenotype, which suggests that certain cases of familial dwarfism may be caused by a mutation of the GSH-1 gene.

### VALIDATION IMAGES

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Sample: Stomach (Mouse) Lysate at 40 ug Primary: Anti- Gsh1 (bs-11612R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kD Observed band size: 30 kD

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=6.7]** Yi Ling. et al. Jinwu Jiangu capsule attenuates rheumatoid arthritis via the SLC7A11/GSH/GPX4 pathway in M1 macrophages. PHYTOMEDICINE. 2024 Dec;135:156232 WB ; Rat,Human . 39547097