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## GSH2 Rabbit pAb

Catalog Number: bs-16336R

Target Protein: GSH2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Pig, Dog, Horse)

Predicted MW: 32 kDa

Entrez Gene: 170825

Swiss Prot: Q9BZM3

Source: KLH conjugated synthetic peptide derived from human GSH2: 211-304/304.

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:** The homeobox DNA-binding domain is a 60 amino acid motif that is conserved among many species and functions to bind DNA via a helix-turn-helix structure. The homeobox DNA-binding domain is commonly found in proteins that play a role in development and are involved in transcriptional regulation and the control of gene expression. GSH-2 (GS homeobox-2), also known as GSX2, is a 304 amino acid protein that contains one homeobox DNA-binding domain. Localized to the nucleus, GSH-2 is thought to function as a transcription factor that selectively binds the DNA sequence 5'-CNAATTAG-3'. Specifically, GSH-2 may be involved in neuronal differentiation, playing a role in spinal cord development.