

# GSH2 Rabbit pAb

GSH2 Rabbit pAb  
Catalog # AP56221

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q9BZM3</a>
<b>Predicted</b>	Human, Mouse, Rat, Dog, Pig, Horse, Rabbit
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	32031
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human GSH2
<b>Epitope Specificity</b>	211-304/304
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Nucleus (By similarity).
<b>SIMILARITY</b>	Belongs to the Antp homeobox family. Contains 1 homeobox DNA-binding domain.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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.

## Additional Information

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<b>Gene ID</b>	170825
<b>Other Names</b>	GS homeobox 2, Genetic-screened homeobox 2, Homeobox protein GSH-2, GSX2, GSH2
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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<b>Name</b>	GSX2
<b>Synonyms</b>	GSH2
<b>Function</b>	Transcription factor that binds 5'-CNAATTAG-3' DNA sequence and regulates the expression of numerous genes including genes important for brain development (PubMed: <a href="#">31412107</a> ). During telencephalic development, causes ventralization of pallial progenitors and, depending on the developmental stage, specifies different neuronal fates. At early stages, necessary and sufficient to correctly specify the ventral lateral ganglionic eminence (LGE) and its major derivatives, the striatal projection neurons. At later stages, may specify LGE progenitors toward dorsal LGE fates, including olfactory bulb interneurons (By similarity).
<b>Cellular Location</b>	Nucleus {ECO:0000255   PROSITE-ProRule:PRU00108, ECO:0000269   PubMed:31412107}. Cytoplasm

## Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.