

# Glutathione Peroxidase 2 Rabbit mAb

货号: **AYM29809**

## 产品信息

反应	Human
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC
推荐浓度	<b>WB:</b> 1:500 - 1:2000 <b>IHC:</b> 1:50 - 1:200
理论分子量	21kDa
实测分子量	22kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HepG2,HT-29,Mouse stomach,Rat small intestine
细胞定位	cytoplasm,cytosol
纯化	Affinity purification

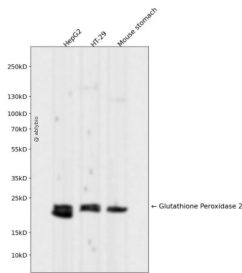
## 抗原信息

抗原信息	Recombinant fusion protein corresponding to Human Glutathione Peroxidase 2.
序列	TLVQKCEVNGQNEHPVFAYLKDKLPYPYDDPFSLMTPKLIWSPVRRSDVAWNFEKFLIGPEGEPFRYSRTFPTINIEP

## 靶点信息

研究背景	The protein encoded by this gene belongs to the glutathione peroxidase family, members of which catalyze the reduction of organic hydroperoxides and hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ) by glutathione, and thereby protect cells against oxidative damage. Several isozymes of this gene family exist in vertebrates, which vary in cellular location and substrate specificity. This isozyme is predominantly expressed in the gastrointestinal tract (also in liver in human), is localized in the cytoplasm, and whose preferred substrate is hydrogen peroxide. Overexpression of this gene is associated with increased differentiation and proliferation in colorectal cancer. This isozyme is also a selenoprotein, containing the rare amino acid selenocysteine (Sec) at its active site. Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon, rather than as a stop signal. Alternatively spliced transcript variants have been found for this gene.
基因ID	2877
基因名	GPX2
Swiss	P18283
别名	GPX2;GI-GPx;GPRP;GPRP-2;GPx-2;GPx-GI;GSHPX-GI;GSHPx-2

## 产品验证



Western blot analysis of Glutathione Peroxidase 2 expressed in HepG2, HT-29, Mouse stomach using Glutathione Peroxidase 2 Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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