

产品名称: GPX2 Rabbit Polyclonal Antibody
产品货号: APRab11729



产品概述 (Summary)

产品名称 (Production Name)	GPX2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02%
储存溶液 (Buffer)	New type preservative N.
纯化方式 (Purification)	Affinity Purified

免疫原信息 (Immunogen)

基因名 (Gene Name)	GPX2
别名 (Alternative Names)	GI GPx; GPRP; GPRP-2; GPx-GI; GSHPx 2; GSHPx GI; GSHPx-2; GSHPx-GI
基因 ID (Gene ID)	2877.0
蛋白 ID (SwissProt ID)	P18283.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000
蛋白分子量 (Molecular Weight)	Observed MW: 21 kDa

研究背景 (Background)

产品名称: GPX2 Rabbit Polyclonal Antibody
产品货号: AP Rab11729

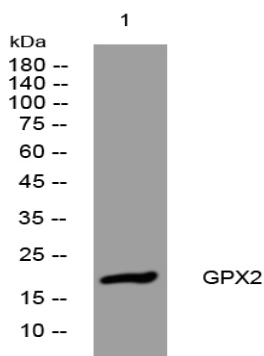


The protein encoded by this gene belongs to the glutathione peroxidase family, members of which catalyze the reduction of organic hydroperoxides and hydrogen peroxide (H₂O₂) by glutathione, and thereby protect cells against oxidative damage. Several isozymes of this gene family exist in vertebrates, 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. [provided by RefSeq, Jul 2016],

研究领域 (Research Area)

Cell Biology

图片 (Image Data)



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night

注意事项 (Note)

For research use only .