

Rabbit GPX7 Polyclonal Antibody | anti-GPX7 antibody

GPX7 Antibody (Center)

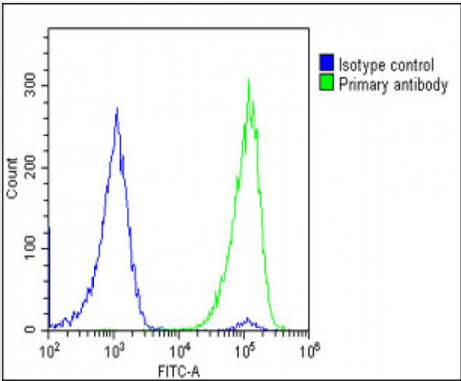
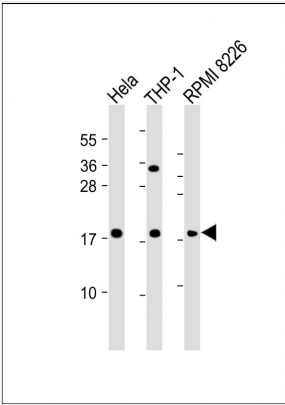
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290907	Rabbit	Human Predicted: Bovine	ELISA, Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

GPX7; Polyclonal Antibody; GPX7 Antibody (Center); Purified Rabbit Polyclonal Antibody (Pab); Glutathione peroxidase 7; GPx-7; GSHPx-7; 1.11.1.9; CL683; GPX6; anti-GPX7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted: Bovine
Clonality	Polyclonal
Isotype	Ig
Specificity	This GPX7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 73-107 amino acids from the Central region of human GPX7.
Purity/Purification	Purified through a protein A column, followed by peptide affinity purification.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	187
Applicable Applications for anti-GPX7 antibody	ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry)
Antigen Type	Synthesized Peptide
Antigen Source	Human
Tissue Location	Expressed in esophageal epithelial cells; expression is up-regulated after exposure to acidic bile acids
Cellular Location	Secreted.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Overlay histogram showing U-2 OS cells stained with AP22347c(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22347c, 1:25 dilution) for 60 min at 37 degree C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 degree C. Isotype control antibody (blue line) was rabbit IgG1 (1μg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ADDITIONAL INFORMATION

Related Product Information for anti-GPX7 antibody	It protects esophageal epithelia from hydrogen peroxide- induced oxidative stress. It suppresses acidic bile acid-induced reactive oxygen species (ROS) and protects against oxidative DNA damage and double-strand breaks.
Product Categories/Family for anti-GPX7 antibody	Primary Antibodies; Cell Biology; Metabolism; Signal Transduction
References	Gu S.,et al. Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases. Clark H.F.,et al.Genome Res. 13:2265-2270(2003). Ota T.,et al.Nat. Genet. 36:40-45(2004). Gregory S.G.,et al.Nature 441:315-321(2006). Barrow I.K.-P.,et al. Submitted (AUG-1998) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15618997
NCBI GeneID	2882
NCBI Accession #	NP_056511.2
NCBI GenBank Nucleotide #	NM_015696.4
UniProt Accession #	Q96SL4; O95337; Q5T501
Molecular Weight	20996
NCBI Official Full Name	glutathione peroxidase 7
NCBI Official Synonym Full Names	glutathione peroxidase 7
NCBI Official Symbol	GPX7
NCBI Official Synonym Symbols	GPX6; CL683; GPx-7; NPGPx; GSHPx-7
NCBI Protein Information	glutathione peroxidase 7
UniProt Protein Name	Glutathione peroxidase 7
UniProt Gene Name	GPX7
UniProt Synonym Gene Names	GPX6; GPx-7; GSHPx-7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpx7-antibody-western-blot-flow-cytometry-elisa/290907>