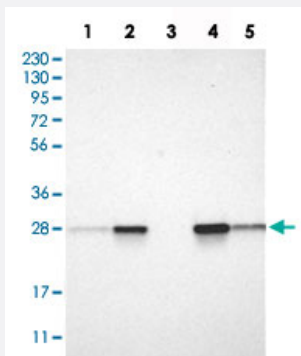


PRDX6 polyclonal antibody

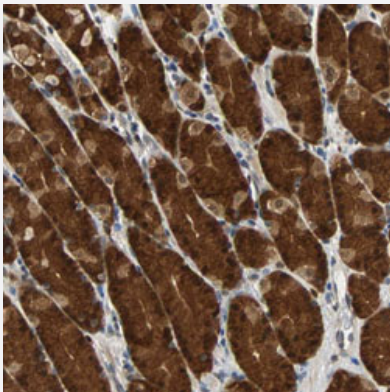
Catalog # PAB31381 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: RT-4 cell, Lane 2: U-251 MG sp cell, Lane 3: human plasma tissue (IgG/HSA depleted), Lane 4: human liver tissue and Lane 5: human tonsil tissue lysates with PRDX6 polyclonal antibody (Cat # PAB31381).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach with PRDX6 polyclonal antibody (Cat # PAB31381) shows strong nuclear and cytoplasmic positivity in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human PRDX6.
Immunogen	Recombinant protein corresponding to human PRDX6.
Sequence	GGLLLGDVAPNFEANTTVGRIRFHDFLGDSWGILFSHPRDFTPVCTTELGRAAKLAPEFAKRNVK LIAISIDSVEDHLAWSKDINAYNCEEPTEKLPFPIDDRNRELAILLGMLDPAEKDEKGMPVTARVV FVFGPDKKLLKSILYPA
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: RT-4 cell, Lane 2: U-251 MG sp cell, Lane 3: human plasma tissue (IgG/HSA depleted), Lane 4: human liver tissue and Lane 5: human tonsil tissue lysates with PRDX6 polyclonal antibody (Cat # PAB31381).

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Gene Info — PRDX6

Entrez GeneID	9588
Protein Accession#	P30041
Gene Name	PRDX6
Gene Alias	1-Cys, AOP2, KIAA0106, MGC46173, NSGPx, PRX, aiPLA2, p29
Gene Description	peroxiredoxin 6
Omim ID	602316
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [provided by RefSeq]

Other Designations

1-Cys peroxiredoxin|OTTHUMP00000032693|acidic calcium-independent phospholipase A2|anti-oxidant protein 2|non-selenium glutathione peroxidase

Publication Reference

- [Human Protein Atlas of redox systems - what can be learnt?](#)

Dammeyer P, Arnér ES.

Biochimica et Biophysica Acta 2011 Jan; 1810(1):111.

Application: IHC, Human, Human breast, Human kidney, Human liver, Human lung, Human ovary, Human testes

Pathway

- [Biosynthesis of phenylpropanoids](#)
- [Metabolic pathways](#)
- [Methane metabolism](#)
- [Phenylalanine metabolism](#)
- [Phenylpropanoid biosynthesis](#)
- [Tropane](#)

Disease

- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)