

## ARG64767 anti-Peroxiredoxin 1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes Peroxiredoxin 1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P, WB
Specificity	Reported variants represent identical protein (NP_002565.1, NP_859047.1, NP_859048.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Peroxiredoxin 1
Species	Human
Immunogen	C-SDPKRTIAQDYG
Conjugation	Un-conjugated
Alternate Names	EC 1.11.1.15; TDPX2; PAG; PRX1; MSP23; Natural killer cell-enhancing factor A; Peroxiredoxin-1; PRXI; NKEFA; PAGA; PAGB; Proliferation-associated gene protein; Thioredoxin peroxidase 2; NKEF-A; Thioredoxin-dependent peroxide reductase 2

### Application Instructions

Application table	Application	Dilution
	IHC-P	Assay - dependent
	WB	0.1 - 0.3 µg/ml

**Application Note**  
WB: Recommend incubate at RT for 1h.  
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

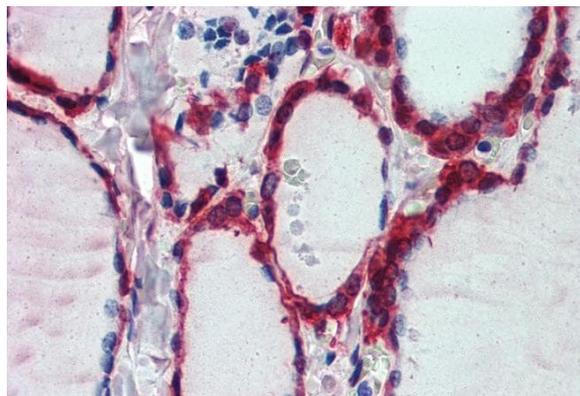
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

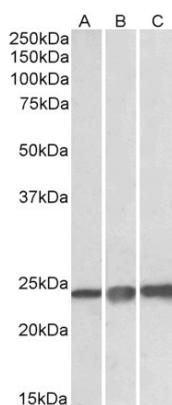
Database links	<a href="#">GeneID: 5052 Human</a> <a href="#">Swiss-port # Q06830 Human</a>
Background	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody
Calculated Mw	22 kDa
PTM	Phosphorylated on Thr-90 during the M-phase, which leads to a more than 80% decrease in enzymatic activity.

## Images



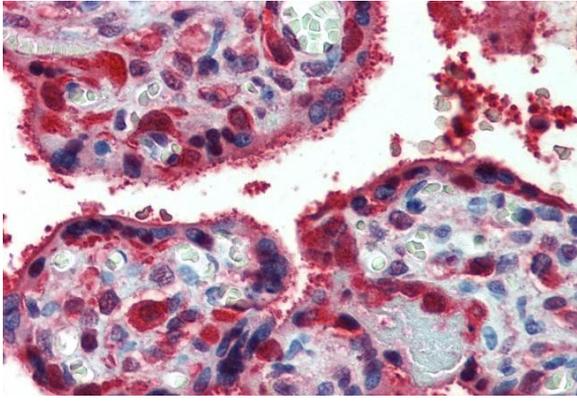
ARG64767 anti-Peroxiredoxin 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid gland tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64767 anti-Peroxiredoxin 1 antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG64767 anti-Peroxiredoxin 1 antibody WB image

Western blot: 35 µg of HEK293 (A), A431 (B) and HepG2 (C) cell lysates (in RIPA buffer) stained with ARG64767 anti-Peroxiredoxin 1 antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.



ARG64767 anti-Peroxiredoxin 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64767 anti-Peroxiredoxin 1 antibody at 2.5 µg/ml dilution followed by AP-staining.