

ARG63976 anti-Peroxiredoxin 2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Peroxiredoxin 2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	WB
Specificity	This antibody is expected to recognise isoforms a and b only (NP_005800.3 and NP_859427.1 respectively).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Peroxiredoxin 2
Species	Human
Immunogen	C-NVDDSKKEYFSKHN
Conjugation	Un-conjugated
Alternate Names	EC 1.11.1.15; TPX1; TDPX1; HEL-S-2a; PTX1; Thiol-specific antioxidant protein; PRX2; TSA; Peroxiredoxin-2; PRP; Thioredoxin-dependent peroxide reductase 1; NKEF-B; NKEFB; Natural killer cell-enhancing factor B; Thioredoxin peroxidase 1; PRXII

Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>0.3 - 1 µg/ml</td></tr> </table>	Application	Dilution	WB	0.3 - 1 µg/ml
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WB	0.3 - 1 µg/ml				
Application Note	<p>WB: Recommend incubate at RT for 1h.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>				

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

[GeneID: 7001 Human](#)

[Swiss-port # P32119 Human](#)

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. The crystal structure of this protein has been resolved to 2.7 angstroms. Transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

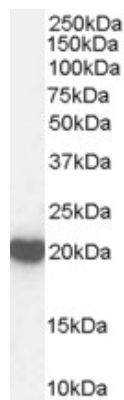
Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody

Calculated Mw

22 kDa

Images



ARG63976 anti-Peroxiredoxin 2 antibody WB image

Western Blot: Human Brain lysate (35 µg protein in RIPA buffer) stained with ARG63976 anti-Peroxiredoxin 2 antibody at 1 µg/ml dilution.