

## ARG59487 anti-Peroxiredoxin 6 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Goat Polyclonal antibody recognizes Peroxiredoxin 6  |
| Tested Reactivity   | Hu, Pig  |
| Predict Reactivity  | Cow, Dog   |
| Tested Application  | WB   |
| Host                | Goat   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | Peroxiredoxin 6  |
| Species             | Human  |
| Immunogen           | Synthetic peptide around the internal region of Human Peroxiredoxin 6. (C-TAEKRVATPVD, NP_004896.1)  |
| Conjugation         | Un-conjugated  |
| Alternate Names     | 1-Cys; NSGPx; EC 3.1.1.-; Antioxidant protein 2; Non-selenium glutathione peroxidase; 24 kDa protein; Acidic calcium-independent phospholipase A2; AOP2; 1-Cys peroxiredoxin; aiPLA2; Peroxiredoxin-6; Liver 2D page spot 40; 1-Cys PRX; EC 1.11.1.15; EC 1.11.1.9; Red blood cells page spot 12; p29; PRX; HEL-S-128m |

### 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 |
|-------------------|--|-------------|----------|----|---------------|
| Application       | Dilution   |             |          |    |               |
| WB                | 0.3 - 1 µg/ml  |             |          |    |               |
| Application Note  | WB: Recommend incubate at RT for 1h.<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |             |          |    |               |
| Observed Size     | ~ 26 kDa   |             |          |    |               |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Affinity purified  |
| 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 |

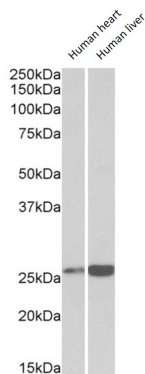
and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

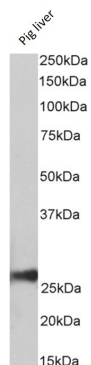
|                       |   |
|-----------------------|---|
| Gene Symbol           | PRDX6   |
| Gene Full Name        | peroxiredoxin 6   |
| Background            | The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H(2)O(2) 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, Jul 2008] |
| Function              | Involved in redox regulation of the cell. Can reduce H(2)O(2) and short chain organic, fatty acid, and phospholipid hydroperoxides. May play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [UniProt]   |
| Calculated Mw         | 25 kDa  |
| Cellular Localization | Cytoplasm. Lysosome. Note=Also found in lung secretory organelles (lamellar bodies). [UniProt]  |

## Images



ARG59487 anti-Peroxiredoxin 6 antibody WB image

Western blot: 35 µg of Human heart and Human liver lysates (in RIPA buffer) stained with ARG59487 anti-Peroxiredoxin 6 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.



ARG59487 anti-Peroxiredoxin 6 antibody WB image

Western blot: 35 µg of Pig liver lysate (in RIPA buffer) stained with ARG59487 anti-Peroxiredoxin 6 antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.