GLRX3 Polyclonal antibody

**Catalog Number:** 11254-1-AP  
**Featured Product**  
**5 Publications**

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### Basic Information

- **Catalog Number:** 11254-1-AP  
- **Size:** 150ul, Concentration: 500 μg/ml by Nanodrop  
- **Source:** Rabbit  
- **Isotype:** IgG  
- **Immunogen Catalog Number:** AG1775  
- **GenBank Accession Number:** BC014372  
- **GeneID (NCBI):** 10539  
- **Full Name:** glutaredoxin 3  
- **Calculated MW:** 37 kDa  
- **Observed MW:** 37-40 kDa  
- **Purification Method:** Antigen affinity purification  
- **Recommended Dilutions:**  
  - **WB:** 1:500-1:1000  
  - **IHC:** 1:50-1:500

### Applications

- **Tested Applications:** IHC, WB, ELISA  
- **Cited Applications:** IHC, WB  
- **Species Specificity:** human, mouse, rat  
- **Cited Species:** human, mouse

**Note-IHC:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

### Background Information

GLRX3 (Glutaredoxin-3) is also named as PICOT, TXNL2. Mammalian glutaredoxin 3 is an essential protein involved in the regulation of signal transduction, for instance during immune cell activation and development of cardiac hypertrophy, presumably in response to redox signals (PMID:20226171). Glrx3 could take a pivotal role in colon and lung cancer cells during the tumorigenesis, which is expressed in lung and colon cancers consistently and preferentially (PMID:19797004).

### Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
<th>Application</th>
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<tbody>
<tr>
<td>Yi Zhao</td>
<td>33091421</td>
<td>Exp Cell Res</td>
<td>WB</td>
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<tr>
<td>Ki Soon Kim</td>
<td>29309586</td>
<td>Hum Mol Genet</td>
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<td>Shinji Kamisuki</td>
<td>29447077</td>
<td>Biosci Biotechnol Biochem</td>
<td>WB</td>
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### Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.  
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
- **Aliquoting is unnecessary for -20°C storage**

*** 20ul sizes contain 0.1% BSA

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For technical support and original validation data for this product please contact:  
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in USA, or 1(312) 455-8498 (outside USA)  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 11254-1-AP (GLRX3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11254-1-AP (GLRX3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).