

产品名称: Thioredoxin Rabbit Polyclonal Antibody  
产品货号: APRab18883



## 产品概述 (Summary)

|                        |                                        |
|------------------------|----------------------------------------|
| 产品名称 (Production Name) | Thioredoxin Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody             |
| 宿主 (Host)              | Rabbit                                 |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA                    |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                        |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                      |
|------------------------|--------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | TXN TRDX TRX TRX1                                                                    |
| 别名 (Alternative Names) | Thioredoxin (Trx;ATL-derived factor;ADF;Surface-associated sulphhydryl protein;SASP) |
| 基因 ID (Gene ID)        | 7295.0                                                                               |
| 蛋白 ID (SwissProt ID)   | P10599.Synthesized peptide derived from human Thioredoxin. at AA range: 52-101       |

## 产品应用 (Application)

|                          |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 12kDa                                                                   |

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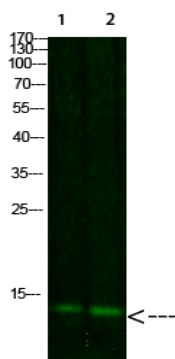
## 研究背景 (Background)

The protein encoded by this gene acts as a homodimer and is involved in many redox reactions. The encoded protein is active in the reversible S-nitrosylation of cysteines in certain proteins, which is part of the response to intracellular nitric oxide. This protein is found in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],function:ADF augments the expression of the interleukin-2 receptor TAC (IL2R/P55),function:Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity.,PTM:In the fully reduced protein, both Cys-69 and Cys-73 are nitrosylated in response to nitric oxide (NO). When two disulfide bonds are present in the protein, only Cys-73 is nitrosylated. Cys-73 can serve as donor for nitrosylation of target proteins.,similarity:Belongs to the thioredoxin family.,similarity:Contains 1 thioredoxin domain.,subunit:Homodimer; disulfide-linked. Interacts with TXNIP through the redox-active site. Interacts with MAP3K5 and CASP3.,

## 研究领域 (Research Area)

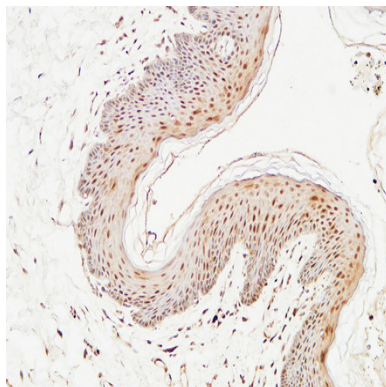
Tags & Cell Markers

## 图片 (Image Data)

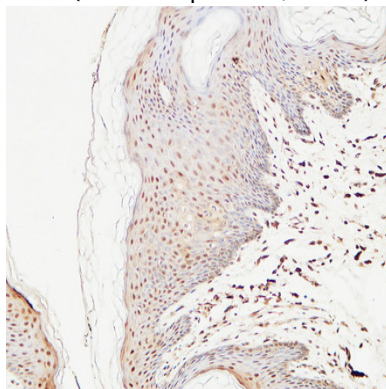


Western Blot analysis of 1,mouse-liver 2,hela cells using primary antibody diluted at 1:1000 (4°C overnight) . Secondary antibody: Goat Anti-rabbit IgG IRDye 800 ( diluted at 1:5000, 25°C, 1 hour)

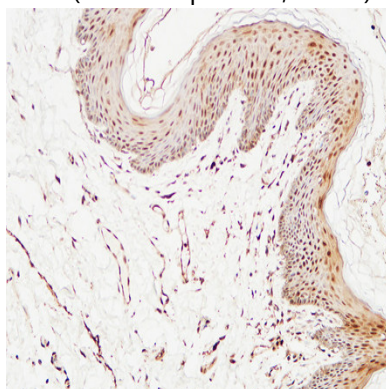
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Immunohistochemical analysis of paraffin-embedded Human skin. 1, Antibody was diluted at 1:400 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



Immunohistochemical analysis of paraffin-embedded Human skin. 1, Antibody was diluted at 1:400 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



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**注意事项 (Note)**

For research use only .