

bs-0458R**[Primary Antibody]**

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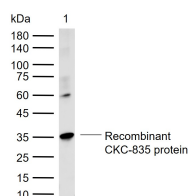
400-901-9800

Thioredoxin Rabbit pAb

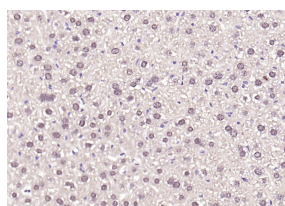
DATASHEET

| | | |
|---|----------------------|--|
| Host: Rabbit | Isotype: IgG | Applications: WB (1:1000-5000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test) ICC/IF (1:100) ELISA (1:1000-5000) Reactivity: Human, Mouse, Rat (predicted: Species independent) Predicted MW.: 12 kDa Subcellular Location: Secreted ,Cytoplasm ,Nucleus |
| Clonality: Polyclonal | | |
| GeneID: 7295 | SWISS: P10599 | |
| Target: Thioredoxin | | |
| Immunogen: KLH conjugated synthetic peptide derived from human Thioredoxin: 51-105/105. | | |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | |
| Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. | | |
| 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] | | |

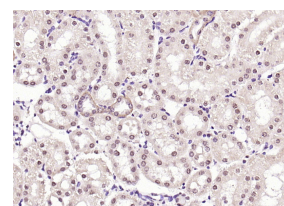
VALIDATION IMAGES



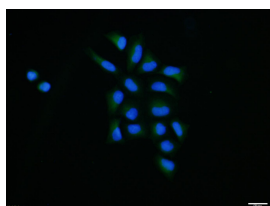
Sample: Lane 1: Recombinant CKC-835 protein, Trx & S & His(bs-49104P) Primary: Anti-Thioredoxin (bs-0458R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 12 kDa
 Observed band size: 35 kDa



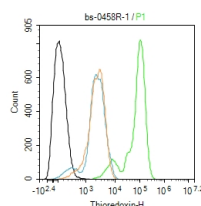
Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Thioredoxin) Polyclonal Antibody, Unconjugated (bs-0458R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Thioredoxin) Polyclonal Antibody, Unconjugated (bs-0458R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Thioredoxin) polyclonal Antibody, Unconjugated (bs-0458R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at



Blank control: SHSY5Y. Primary Antibody (green line): Rabbit Anti-Thioredoxin antibody (bs-0458R) Dilution: 1µg/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5µg/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for

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37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=7.6]** Gao, Fuping, et al. "Cytotoxicity and therapeutic effect of irinotecan combined with selenium nanoparticles." *Biomaterials* (2014). IHC ;="Mouse". 25064805
- **[IF=6.291]** Shaofeng Wu. et al. The neuroprotective effect of curcumin against ATO triggered neurotoxicity through Nrf2 and NF-κB signaling pathway in the brain of ducks. *Ecotox Environ Safe*. 2021 Dec;228:112965 WB ;Duck. 34775344
- **[IF=4.5]** Gan Rao. et al. Arsenic and polystyrene-nano plastics co-exposure induced testicular toxicity: Triggers oxidative stress and promotes apoptosis and inflammation in mice. *ENVIRON TOXICOL*. 2023 Sep; WB ;Mouse. 37705229
- **[IF=3.24]** Li, Mo-fei, et al. "First characterization of a teleost Epstein-Barr virus-induced gene 3 (EBI3) reveals a regulatory effect of EBI3 on the innate immune response of peripheral blood leukocytes." *Developmental & Comparative Immunology* 41.4 (2013): 514-522. WB ;="". 23932982
- **[IF=1.55]** Zhang, Junjie, et al. "Screening and identification of post-traumatic stress-related serum factors in children with Wilms tumors." *Oncology Letters* 11.2 (2016): 1299-1304. WB ;="Human". 26893734