

**bs-41400R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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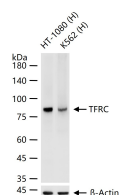
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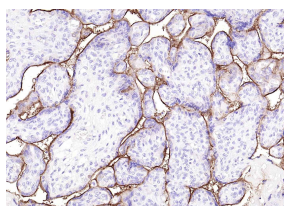
400-901-9800

**TFRC Rabbit pAb****— DATASHEET —**

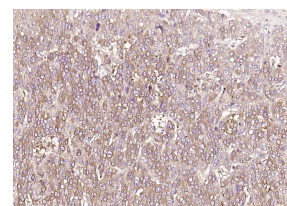
|                                                                                                                                                                                                                                                                                                                        |                      |                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Host:</b> Rabbit                                                                                                                                                                                                                                                                                                    | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)<br><b>IHC-P</b> (1:100-500)<br><b>IHC-F</b> (1:100-500)<br><b>IF</b> (1:100-500) |
| <b>Clonality:</b> Polyclonal                                                                                                                                                                                                                                                                                           |                      |                                                                                                                              |
| <b>GeneID:</b> 7037                                                                                                                                                                                                                                                                                                    | <b>SWISS:</b> P02786 |                                                                                                                              |
| <b>Target:</b> TFRC                                                                                                                                                                                                                                                                                                    |                      |                                                                                                                              |
| <b>Immunogen:</b> Recombinant human Transferrin R / CD71 protein: 101-760/760.                                                                                                                                                                                                                                         |                      | <b>Reactivity:</b> Human, Mouse, Rat                                                                                         |
| <b>Purification:</b> affinity purified by Protein A                                                                                                                                                                                                                                                                    |                      |                                                                                                                              |
| <b>Concentration:</b> 1mg/ml                                                                                                                                                                                                                                                                                           |                      |                                                                                                                              |
| <b>Storage:</b> 0.01M TBS(pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.                                                                                                                                                   |                      | <b>Predicted MW.:</b> 74/85 kDa                                                                                              |
| <b>Background:</b> This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified. [provided by RefSeq, Sep 2015] |                      | <b>Observed MW.:</b> 90 kDa                                                                                                  |
|                                                                                                                                                                                                                                                                                                                        |                      | <b>Subcellular Location:</b> Secreted ,Cell membrane                                                                         |

**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with TFRC polyclonal antibody, unconjugated (bs-41400R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (human placenta); 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; Incubation with (TFRC) Polyclonal Antibody, Unconjugated (bs-41400R) 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 (human liver carcinoma); 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; Incubation with (TFRC) Polyclonal Antibody, Unconjugated (bs-41400R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=11.3]** Lingyu Ren. et al. Indoor Dust Increases the Risk of Iron-Loading Anemia in Mice through Exogenous Iron-Induced Ineffective Erythropoiesis. ENVIRON SCI TECHNOL. 2025;59(39):20954–20966 IHC ;Mouse. 40983904
- **[IF=11.3]** Lingyu Ren. et al. Indoor Dust Increases the Risk of Iron-Loading Anemia in Mice through Exogenous Iron-Induced Ineffective Erythropoiesis. ENVIRON SCI TECHNOL. 2025;59(39):20954–20966 IHC ;Mouse. 40983904
- **[IF=3.5]** Hao Jin-Jing. et al. Dexmedetomidine alleviates ferroptosis caused by traumatic brain injury via the NRF2/HO-1/GPX4 pathway. METAB BRAIN DIS. 2025 Dec;40(8):1-16 WB ;Mouse. 41191138