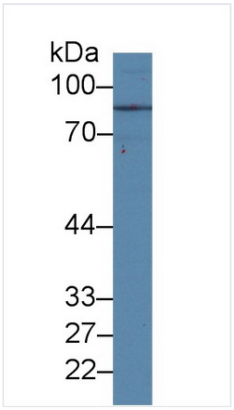
# Transferrin Receptor 2 (TFR2) Antibody – Rabbit Polyclonal

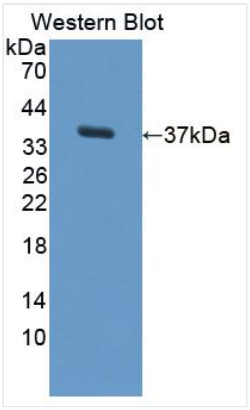
## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | Transferrin Receptor 2 (TFR2), Polyclonal Antibody |
| **Full Product Name** | Polyclonal Antibody to Transferrin Receptor 2 (TFR2) |
| **Product Gene Name** | anti-TFR2 antibody |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Mouse, Rat |
| **Form/Format** | Liquid |
| **Purity/Purification** | Affinity Chromatography |
| **Concentration** | 500ug/mL (lot specific) |
| **Specificity** | The antibody is a rabbit polyclonal antibody raised against TFR2. It has beenselected for its ability to recognize TFR2 in immunohistochemical staining andwestern blotting. |
| **Preparation and Storage** | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
| **Matching Pairs** | Unconjugated Antibody: TFR2 (MBS2028571)<br>Immunogen: TFR2 (MBS2031316) |
| **Matching Pairs** | Unconjugated Antibody: TFR2 (MBS2028571)<br>APC-CY7 Conjugated Antibody: TFR2 (MBS2040246) |
| **Matching Pairs** | Unconjugated Antibody: TFR2 (MBS2028571)<br>PE Conjugated Antibody: TFR2 (MBS2040247) |
| **Matching Pairs** | Unconjugated Antibody: TFR2 (MBS2028571)<br>APC Conjugated Antibody: TFR2 (MBS2040248) |
| **Matching Pairs** | Unconjugated Antibody: TFR2 (MBS2028571)<br>Cy3 Conjugated Antibody: TFR2 (MBS2040249) |
| **Matching Pairs** | Unconjugated Antibody: TFR2 (MBS2028571)<br>FITC Conjugated Antibody: TFR2 (MBS2040250) |
| **Matching Pairs** | Unconjugated Antibody: TFR2 (MBS2028571)<br>HRP Conjugated Antibody: TFR2 (MBS2040251) |
| **Matching Pairs** | Unconjugated Antibody: Transferrin Receptor 2 (MBS2028571)<br>APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675) |
| **Matching Pairs** | Unconjugated Antibody: Transferrin Receptor 2 (MBS2028571)<br>Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678) |
| **Matching Pairs** | Unconjugated Antibody: TFR2 (MBS2028571)<br>Biotin Conjugated Antibody: TFR2 (MBS2091769) |
| **Molecular Weight** | 88,328 Da |
| **3D Structure** | ModBase 3D Structure for B2GUY2 |
| **Supply Chain Verification** | Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire. |

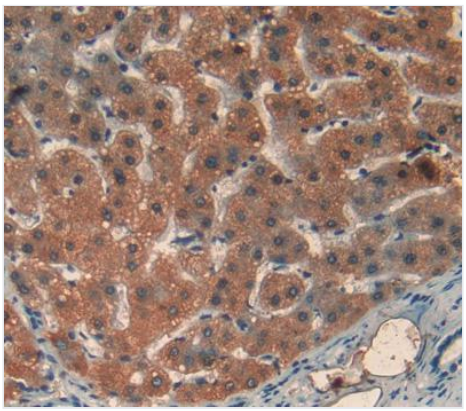
| | |
|---|---|
| **Fragment** | TFR2 (His493~Asn785) |
| **Organism Species** | Rattus norvegicus (Rat) |
| **Cross Reactivity** | Rat |
| **Conjugate** | No Conjugate |
| **Immunogen** | Recombinant TFR2 (His493~Asn785) expressed in E Coli. |
| **Conjugated Antibody** | The APC conjugated antibody version of this item is also available as catalog #MBS2040248 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory. |
| **Applications Tested/Suitable for anti-TFR2 antibody** | Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (EIA) |
| **Application Notes for anti-TFR2 antibody** | Western blotting: 0.2-2ug/mL;1:250-2500<br>Immunohistochemistry: 5-20ug/mL;1:25-100<br>Immunocytochemistry: 5-20ug/mL;1:25-100<br>Optimal working dilutions must be determined by end user. |
| **Related Product Information for anti-TFR2 antibody** | MBS2028571 is an antibody targeting TFR2. Also known as Polyclonal Antibody to Transferrin Receptor 2 (TFR2). Reactive in Mouse, Rat. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-TFR2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**Western Blot (WB) of anti-TFR2 antibody**
Western Blot: Sample: Rat Liver lysate; Primary Ab: 2ug/ml Rabbit Anti-Rat TFR2 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody




**Western Blot (WB) of anti-TFR2 antibody**
Western Blot: Sample: Recombinant protein.



**Immunohistochemistry (IHC) of anti-TFR2 antibody**
DAB staining on fromalin fixed paraffin- embedded liver tissue)

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFR2. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 157786884 |
| **NCBI GeneID** | 288562 |
| **NCBI Accession #** | NP_001099386.1 |
| **UniProt Primary Accession #** | B2GUY2 |
| **UniProt Related Accession #** | B2GUY2 |
| **GenBank Nucleotide #** | NM_001105916.1 |
| **NCBI Official Full Name** | transferrin receptor protein 2 |
| **NCBI Official Synonym Full Names** | transferrin receptor 2 |
| **NCBI Official Symbol** | Tfr2 |
| **NCBI Official Synonym Symbols** | Trfr2 |
| **UniProt Protein Name** | Transferrin receptor protein 2 |
| **Protein Family** | Transferrin receptor protein |
| **UniProt Gene Name** | Tfr2 |
| **UniProt Synonym Gene Names** | Trfr2; TfR2 |
| **NCBI Protein Information** | transferrin receptor protein 2 |
| **UniProt Comments for TFR2** | Mediates cellular uptake of transferrin-bound iron in a non-iron dependent manner. May be involved in iron metabolism, hepatocyte function and erythrocyte differentiation (). |
| **Research Articles on TFR2** | **1.** A mutation with the Tfr2 gene causes hemochromatosis in the rat. |
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