

TFR2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12449b

Specification

TFR2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q9UP52](#)

TFR2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 7036

Other Names

Transferrin receptor protein 2, TfR2, TFR2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TFR2 Antibody (C-term) Blocking peptide - Protein Information

Name TFR2

Function

Mediates cellular uptake of transferrin-bound iron in a non- iron dependent manner. May be involved in iron metabolism, hepatocyte function and erythrocyte differentiation.

Cellular Location

Cell membrane; Single-pass type II membrane protein

Tissue Location

Predominantly expressed in liver. While the alpha form is also expressed in spleen, lung, muscle, prostate and peripheral blood mononuclear cells, the beta form is expressed in all tissues tested, albeit weakly

TFR2 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TFR2 Antibody (C-term) Blocking peptide - Images**TFR2 Antibody (C-term) Blocking peptide - Background**

This gene is a member of the transferrin receptor-like family and encodes a single-pass type II membrane protein with a protease associated (PA) domain, an M28 peptidase domain and a transferrin receptor-like dimerization domain. This protein mediates cellular uptake of transferrin-bound iron and mutations in this gene have been associated with hereditary hemochromatosis type III. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

TFR2 Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010) Ikuta, K., et al. J. Mol. Biol. 397(2):375-384(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Volke, M., et al. PLoS ONE 4 (11), E7875 (2009) :