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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

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TFR2 Antibody (C-term) Blocking peptide - Images

TFR2 Antibody (C-term) Blocking peptide - Background

This gene is a member of the transferrin receptor-likefamily and encodes a single-pass type II membrane protein with aprotease associated (PA) domain, an M28 peptidase domain and atransferrin receptor-like dimerization domain. This proteinmediates cellular uptake of transferrin-bound iron and mutations inthis gene have been associated with hereditary hemochromatosis typeIII. Alternatively spliced variants which encode different proteinisoforms have been described; however, not all variants have beenfully 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) :