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TFR2 Rabbit pAb

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Catalog No.: A9845   **1 Publications**

Basic Information

Observed MW
100kDa

Calculated MW
89kDa

Category
Polyclonal Antibody

Applications
WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse

Background

This gene encodes a single-pass type II membrane protein, which is a member of the transferrin receptor-like family. This protein mediates cellular uptake of transferrin-bound iron, and may be involved in iron metabolism, hepatocyte function and erythrocyte differentiation. Mutations in this gene have been associated with hereditary hemochromatosis type III. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	**Swiss Prot**
7036	Q9UP52

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 130-330 of human TFR2 (NP_003218.2).

Synonyms
HFE3; TFRC2; TFR2

Contact

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Product Information

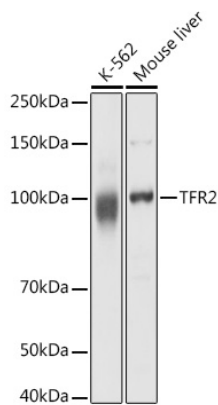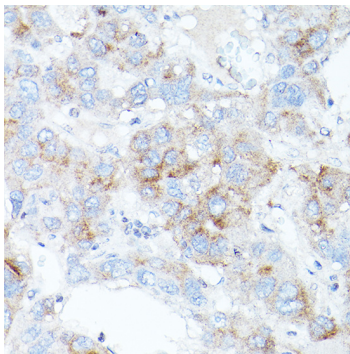| **Source**	**Isotype**	**Purification**
Rabbit	IgG	Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
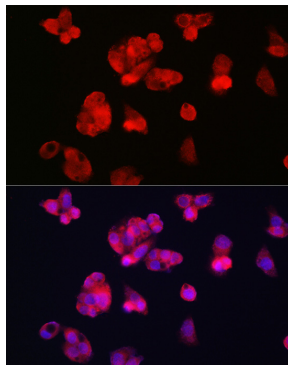Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data

Western blot analysis of extracts of various cell lines, using TFR2 antibody (A9845) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

Immunohistochemistry analysis of paraffin-embedded human liver cancer using TFR2 antibody (A9845) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Immunofluorescence analysis of HepG2 cells using TFR2 Rabbit pAb (A9845) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.