

TfR1/CD71 polyclonal antibody

Catalog: BS91333

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

CD71, also known as the transferrin receptor (TfR), is a type II membrane glycoprotein that exists as a disulfide-linked homodimer of two identical subunits. CD71 binds to two molecules of transferrin and a serum iron-transport protein, and directs the cellular uptake of iron via receptor-mediated endocytosis. CD71 is expressed, typically at high levels, on all proliferating cells, reticulocytes and erythroid precursors. It is not expressed on resting leukocytes, but is upregulated upon activation of lymphocytes, monocytes and macrophages. CD71 is also found on most dividing cells and on brain endothelium. A second transferrin receptor, TfR2, also mediates the uptake of transferrin-bound iron. TfR2 is a two-subunit homodimer and is highly expressed in liver as well as in hepatocytes and erythroid precursors. Mutations in the TfR2 gene result in hereditary hemochromatosis type III (HFE3), an iron overloading disorder predominant in Caucasians.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

85 kDa

Swiss-Prot:

P02786(Human) Q62351(Mouse) Q99376(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

FC:1:50-1:100

IHC:1:50-1:200

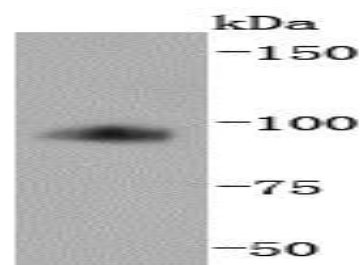
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

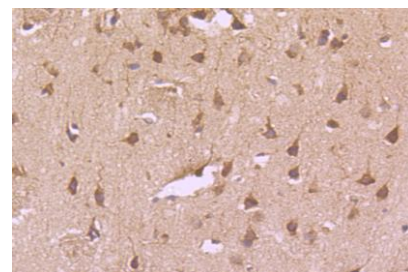
Specificity:

TfR1/CD71 polyclonal antibody detects endogenous levels of TfR1/CD71 protein.

DATA:



Western blot analysis of Transferrin Receptor on mouse placenta lysates using anti-Transferrin Receptor antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Transferrin Receptor antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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