

CD71 Antibody
Rabbit Monoclonal Antibody (Mab)
Catalog # AD80066**Specification**

CD71 Antibody - Product info

Application	IHC
Primary Accession	P02786
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Calculated MW	84871

CD71 Antibody - Additional info

Gene ID	7037
Gene Name	TFRC

Other Names

Transferrin receptor protein 1, TR, TfR, TfR1, Trfr, T9, p90, CD71, Transferrin receptor protein 1, serum form, sTfR, TFRC

Dilution

IHC~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions

CD71 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD71 Antibody - Protein Information**Name** TFRC**Function**

Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system (By similarity). A second ligand, the heditary hemochromatosis

Cellular Location

protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site. Positively regulates T and B cell proliferation through iron uptake (PubMed:[26642240](#)).

Cell membrane; Single-pass type II membrane protein. Melanosome.

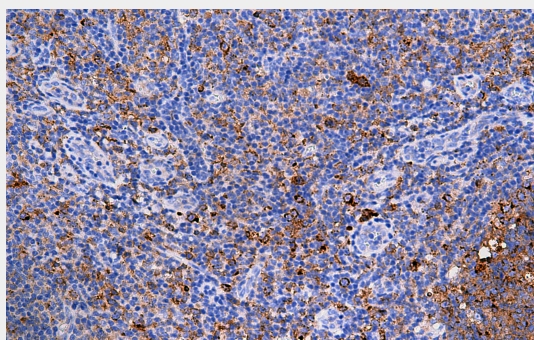
Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

CD71 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD71 Antibody - Images



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80066 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.