

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

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**CD71 Antibody - Product info**

Application	IHC
Primary Accession	<a href="#">P02786</a>
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.

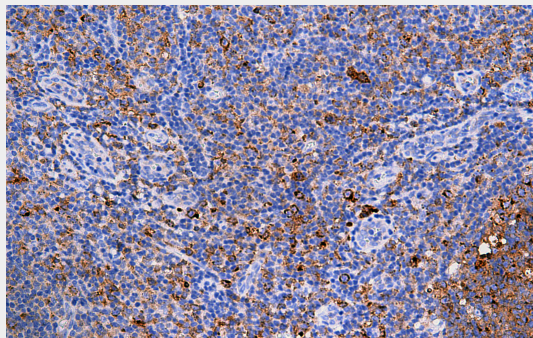
Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

#### 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.