

**CD71/TfR Polyclonal Antibody**

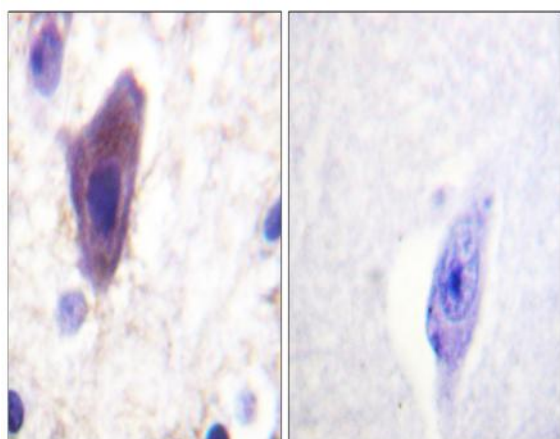
<b>Catalog No :</b>	YT0775
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	CD71/TfR
<b>Fields :</b>	>>HIF-1 signaling pathway;>>Endocytosis;>>Phagosome;>>Ferroptosis;>>Hematopoietic cell lineage
<b>Gene Name :</b>	TFRC
<b>Protein Name :</b>	Transferrin receptor protein 1
<b>Human Gene Id :</b>	7037
<b>Human Swiss Prot No :</b>	P02786
<b>Mouse Gene Id :</b>	22042
<b>Mouse Swiss Prot No :</b>	Q62351
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CD71/TfR. AA range:15-64
<b>Specificity :</b>	CD71 Polyclonal Antibody detects endogenous levels of CD71 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	89kD
<b>Cell Pathway :</b>	Protein_Acetylation
<b>Background :</b>	This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified. [provided by RefSeq, Sep 2015],
<b>Function :</b>	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 hereditary hemochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site.,induction:Regulated by cellular iron levels through binding of the iron regulatory proteins, IRP1 and IRP2, to iron-responsive elements in the 3'-UTR. Up-regulated upon mitogenic stimulation.,miscellaneous:Canine and feline parvoviruses bind human and feline transferrin receptors and use t
<b>Subcellular Location :</b>	Cell membrane ; Single-pass type II membrane protein . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. .; [Transferrin receptor protein 1, serum form]: Secreted .
<b>Expression :</b>	Brain,Epithelium,Erythroleukemia,Eye,Human endometrium carcinoma cell line,Liver,PI
<b>Tag :</b>	orthogonal
<b>Sort :</b>	3656
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

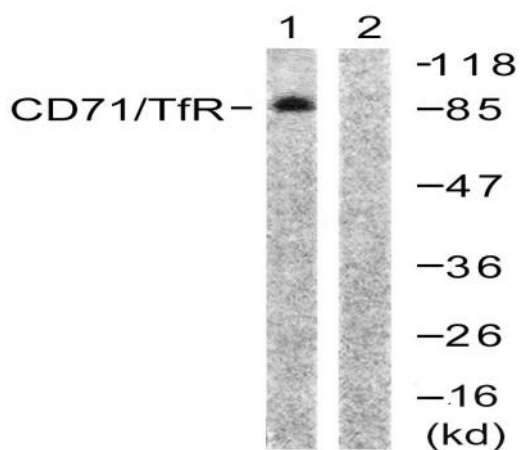
## Products Images



Western Blot analysis of various cells using CD71 Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CD71/TfR Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, treated with PMA 125ng/ml 30', using CD71/TfR Antibody. The lane on the right is blocked with the synthesized peptide.