

## Anti-Transferrin Receptor Rabbit pAb



WL03500

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-Transferrin Receptor Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:500-1:1000
	IHC	1:200
	IF	1:200
<b>Cellular localization</b>	Secreted and Cell membrane	
<b>Pack size</b>	50/100/200/500/1000μl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

<b>Background</b>	Transferrin Receptor gene, also known as CD71, encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. It is required for erythropoiesis and neurologic development. It 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. A second transferrin receptor, TFR2, also mediates the uptake of transferrin-bound iron. Mutations in the TFR2 gene result in hereditary hemochromatosis type III (HFE3), an iron overloading disorder predominant in Caucasians. Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Transferrin Receptor.
<b>Immunogen</b>	
<b>Purification</b>	Polyclonal antibody was purified by immunogen affinity chromatography.

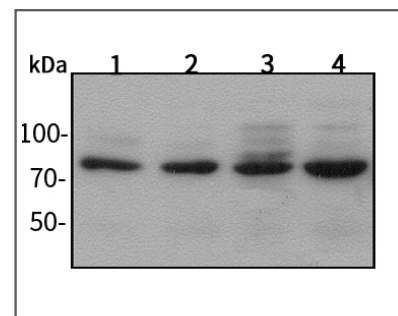
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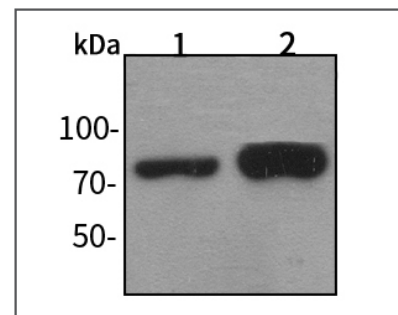
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## Product Images



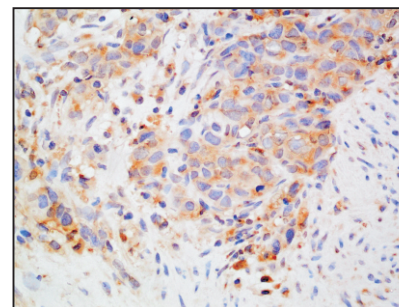
Western blot-Anti-Transferrin Receptor pAb

Lane 1: Human HepG2 cell lysate  
 Lane 2: Human Hela cell lysate  
 Lane 3: Human BGC-823 cell lysate  
 Lane 4: Human MGC-803 cell lysate  
 All lanes: Anti-Transferrin Receptor at 1:1000 dilution  
 Lysates/proteins at 20-50 μg per lane.  
 Predicted band size: 85 kDa  
 Observed band size: 85-100 kDa



Western blot-Anti-Transferrin Receptor pAb

Lane 1: Mouse lung tissue lysate  
 Lane 2: Rat spleen tissue lysate  
 All lanes: Anti-Transferrin Receptor at 1:1000 dilution  
 Lysates/proteins at 20-50 μg per lane.  
 Predicted band size: 85 kDa  
 Observed band size: 85-100 kDa



Immunohistochemistry-Anti-Transferrin Receptor pAb

Immunohistochemical analysis of paraffin-embedded human esophagus cancer using anti-Transferrin Receptor Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

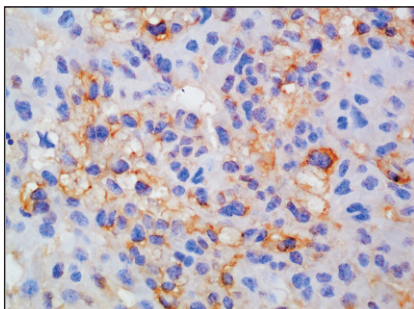
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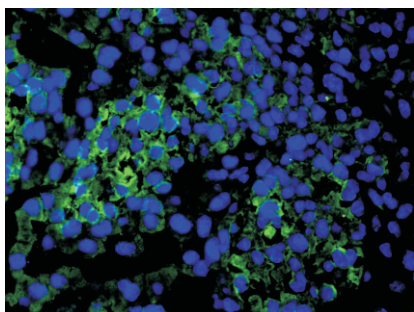
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### Product Information



#### Immunohistochemistry-Anti-Transferrin Receptor pAb

Immunohistochemical analysis of paraffin-embedded mouse placenta using anti-Transferrin Receptor Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunofluorescence-Anti-Transferrin Receptor pAb

Immunofluorescence analysis of paraffin-embedded mouse placenta using anti-Transferrin Receptor Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0