

Product datasheet for **AP31668SU-N**

Tf Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies
Applications: ID, IP
Recommended Dilution: **Immunoprecipitation.**
Immunodiffusion.

Ouchterlony: Results

Test 1

Sample Size: 10 μ l
Distance Between Wells: 5 mm
Test time: 24 hours
Sample tested: Rat Transferrin purified protein
Results: Positive

Test 2

Sample Size: 10 μ l
Distance Between Wells: 5 mm
Test time: 24 hours
Sample tested: Normal Rat serum
Results: one band homogeneous with Test 1.

Test 3

Sample Size: 10 μ l
Distance Between Wells: 5 mm
Test time: 24 hours
Sample tested: Rat Albumin
Results: Neagative.

Reactivity: Rat
Host: Rabbit
Clonality: Polyclonal
Specificity: This antibody is an antiserum directed against Rat Transferrin.



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Formulation:	State: Serum State: Lipid-free Neat Serum containing 0.05% Sodium Azide as preservative
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	transferrin
Database Link:	Entrez Gene 24825 Rat P12346
Background:	<p>Transferrin is a single polypeptide chain glycoprotein and is a member of the iron binding family of proteins. It has a molecular weight of 77 kDa and a serum concentration range of 1800 to 2700 mg/L. It is synthesized in the liver and consists of two domains each having a high affinity reversible binding site for Fe³⁺. Iron is transported in blood and interstitial fluids to sites of use and disposal. Iron/transferrin is essential in hemoglobin synthesis and for certain types of cell division. Serum concentration rises in iron deficiency and pregnancy and falls in iron overload, infection and inflammatory conditions.</p> <p>The function of transferrin is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. In addition to its function in iron transport, this protein may also have a physiologic role as granulocyte/pollen binding protein (GPBP) involved in the removal of certain organic matter/allergens from serum.</p>
Synonyms:	Serotransferrin, Siderophilin
Note:	The antiserum of individual host animals was monitored for titer and specificity before pooling into uniform high titer lots.