

For Research Use Only

Transferrin/TF Monoclonal antibody

Catalog Number: 66171-1-Ig 6 Publications



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
66171-1-Ig	BC059367	Protein G purification
Size:	GeneID (NCBI):	CloneNo.:
150ul , Concentration: 1500 ug/ml by Nanodrop;	7018	2B4C6
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	P02787	WB 1:5000-1:50000
Isotype:	Full Name:	IHC 1:200-1:2000
IgG1	transferrin	IF-P 1:200-1:800
Immunogen Catalog Number:	Calculated MW:	
AG11668	698 aa, 77 kDa	
	Observed MW:	
	77 kDa	

Applications

Tested Applications:	Positive Controls:
WB, IHC, IF-P, ELISA	WB : human plasma, fetal human brain tissue
Cited Applications:	IHC : human liver cancer tissue, human liver tissue
WB	IF-P : human liver tissue, human placenta tissue
Species Specificity:	
human	
Cited Species:	
human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Transferrin(TF) is also named as Beta-1 metal-binding globulin, Siderophilin and belongs to the transferrin family. It is a bilobal iron-binding protein that plays the crucial role of binding ferric iron and keeping it in solution, thereby controlling the levels of this important metal. Serum transferrin may have a further role in stimulating cell proliferation.

Notable Publications

Author	Pubmed ID	Journal	Application
Z. YAN	34787870	Eur Rev Med Pharmacol Sci	WB
Yichun Zou	30579855	Neurochem Int	WB
Mian Liu	39747903	Sci Rep	

Storage

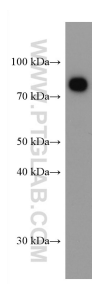
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

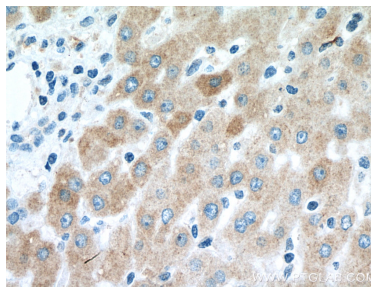
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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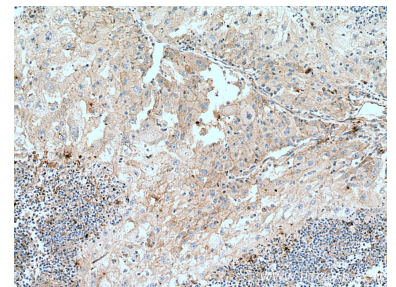
Selected Validation Data



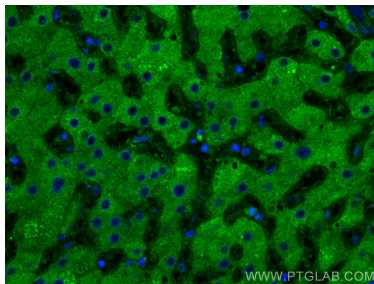
human plasma were subjected to SDS PAGE followed by western blot with 66171-1-Ig (Transferrin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



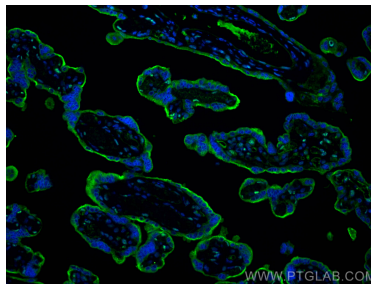
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66171-1-Ig (Transferrin antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66171-1-Ig (Transferrin antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using Transferrin antibody (66171-1-Ig, Clone: 2B4C6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using Transferrin antibody (66171-1-Ig, Clone: 2B4C6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).