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Transferrin Monoclonal Antibody(7F4)

Catalog # AP63378

Product Information

Application	WB, IHC-P, IF
Primary Accession	P02787
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	77064

Additional Information

Gene ID	7018
Other Names	TF; Serotransferrin; Transferrin; Beta-1 metal-binding globulin; Siderophilin
Dilution	WB~~WB: 1:1000-2000 IF 1:200 IHC 1:50-300 IHC-P~~WB: 1:1000-2000 IF 1:200 IHC 1:50-300 IF~~1:50~200
Format	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
Storage Conditions	-20℃

Protein Information

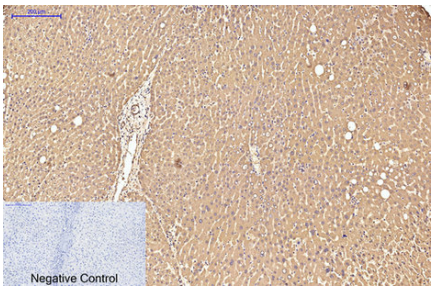
Name	TF (HGNC:11740)
Function	Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation. (Microbial infection) Serves as an iron source for parasite T.brucei (strain 427), which capture TF via its own transferrin receptor ESAG6:ESAG7 and extract its iron for its own use.
Cellular Location	Secreted.
Tissue Location	Expressed by the liver and secreted in plasma.

Background

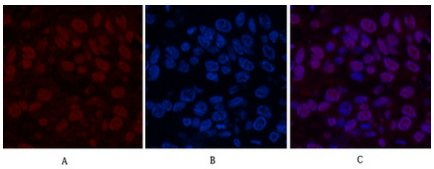
Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption

and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.

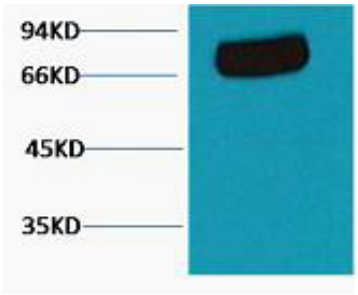
Images



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,Transferrin Monoclonal Antibody(7F4) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-lung-cancer tissue. 1,Transferrin Monoclonal Antibody(7F4)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of Human serum, mAb diluted at 1:2000.