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ECGF1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7295c

Product Information

Application	WB, IHC-P, E
Primary Accession	P19971
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14400
Calculated MW	49955
Antigen Region	318-345

Additional Information

Gene ID	1890
Other Names	Thymidine phosphorylase, TP, Gliostatin, Platelet-derived endothelial cell growth factor, PD-ECGF, TdRPase, TYMP, ECGF1
Target/Specificity	This ECGF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 318-345 amino acids from the Central region of human ECGF1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ECGF1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TYMP (HGNC:3148)
Synonyms	ECGF1
Function	May have a role in maintaining the integrity of the blood vessels. Has growth promoting activity on endothelial cells, angiogenic activity in vivo and

chemotactic activity on endothelial cells in vitro.

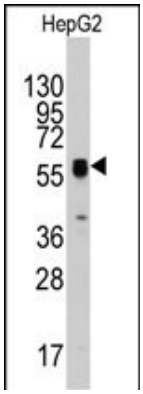
Background

ECGF1 is an angiogenic factor which promotes angiogenesis in vivo and stimulates the in vitro growth of a variety of endothelial cells. It has a highly restricted target cell specificity acting only on endothelial cells. Mutations in the gene encoding ECGF1 have been associated with mitochondrial neurogastrointestinal encephalomyopathy.

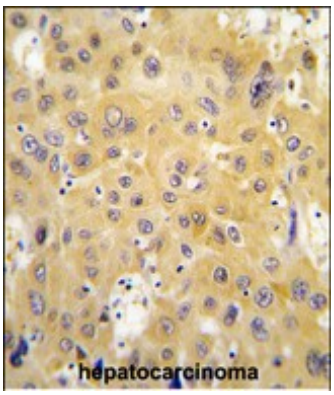
References

Stenman,G.,Cytogenet. Cell Genet. 59 (1), 22-23 (1992)
Jinfeng,M.,Hepatogastroenterology 54 (78), 1635-1640 (2007)

Images



Western blot analysis of anti-ECGF1(Center) Pab (Cat.#AP7295c) in HepG2 cell line lysates (35ug/lane). ECGF1(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with ECGF1 antibody (Center) (Cat.#AP7295c), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.