

# ECGF1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7295c

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P19971</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB14400
<b>Calculated MW</b>	49955
<b>Antigen Region</b>	318-345

## Additional Information

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<b>Gene ID</b>	1890
<b>Other Names</b>	Thymidine phosphorylase, TP, Gliostatin, Platelet-derived endothelial cell growth factor, PD-ECGF, TdRPase, TYMP, ECGF1
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	ECGF1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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

## Background

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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.

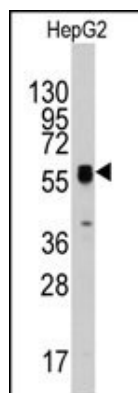
## References

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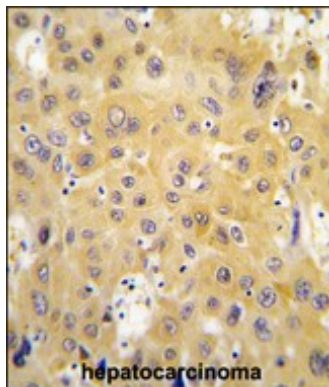
Stenman,G.,Cytogenet. Cell Genet. 59 (1), 22-23 (1992)  
Jinfeng,M.,Hepatogastroenterology 54 (78), 1635-1640 (2007)

## Images

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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'.