

For Research Use Only

PD-ECGF Polyclonal antibody

Catalog Number: 12383-1-AP **6 Publications**



Basic Information

Catalog Number: 12383-1-AP	GenBank Accession Number: BC018160	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 1890	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P19971	
Isotype: IgG	Full Name: thymidine phosphorylase	
Immunogen Catalog Number: AG3052	Calculated MW: 482 aa, 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : A431 cells, HeLa cells, THP-1 cells IHC : human breast cancer tissue, human stomach cancer tissue, human ovary tumor tissue
Cited Applications: WB, IF, FC, IHC	
Species Specificity: human	
Cited Species: human, mouse	
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

Platelet derived endothelial cell growth factor (PD-ECGF), also known as thymidine phosphorylase (TP), induces migration and angiogenesis in endothelial and tumor cells, and was upregulated in various malignancies compared to that in normal tissues. Interestingly, PD-ECGF has dual effect on tumor development and chemotherapy. It could stimulate cancer cell migration and proliferation. On the other hand, some chemotherapeutic agents (5-fluorouracil, capecitabine, etc.) were converted to their active forms through TP enzymes.

Notable Publications

Author	Pubmed ID	Journal	Application
Ryosuke Tamura	25304388	J Ovarian Res	WB
Yuhan Gu	35314790	Oncogene	WB
Qiong Lai	32123298	Acta Pharmacol Sin	WB,IF

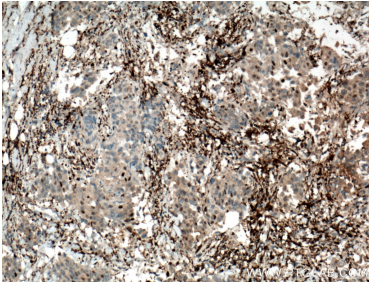
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

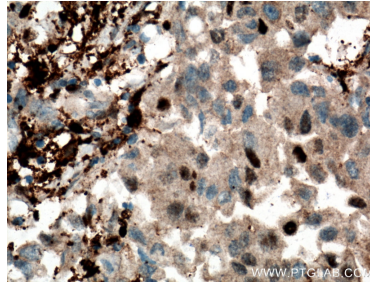
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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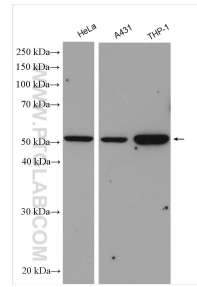
Selected Validation Data



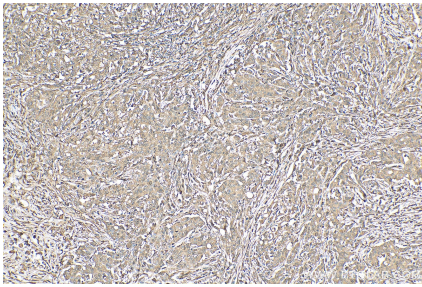
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12383-1-AP (PD-ECGF antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



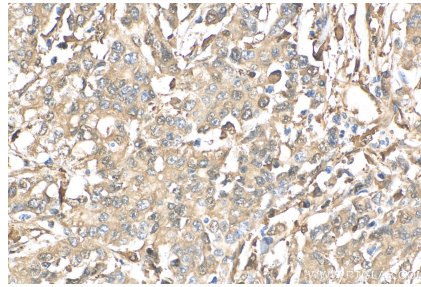
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12383-1-AP (PD-ECGF antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 12383-1-AP (PD-ECGF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 12383-1-AP (PD-ECGF antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 12383-1-AP (PD-ECGF antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).