

For Research Use Only

PCTAIRE3 Polyclonal antibody

Catalog Number: 12207-1-AP



Basic Information

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|--|---|--|
| Catalog Number: 12207-1-AP | GenBank Accession Number: BC011526 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 600 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 5129 | Recommended Dilutions: WB 1:500-1:2000 |
| Source: Rabbit | UNIPROT ID: Q07002 | IHC 1:50-1:500 |
| Isotype: IgG | Full Name: PCTAIRE protein kinase 3 | IF/ICC 1:200-1:800 |
| Immunogen Catalog Number: AG2851 | Calculated MW: 472 aa, 54 kDa | |
| | Observed MW: 54 kDa, 58 kDa | |

Applications

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|---|---|
| Tested Applications: WB, IHC, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: human, mouse | WB : HEK-293 cells, mouse brain tissue |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IHC : human ovary cancer tissue, |
| | IF/ICC : HEK-293 cells, |

Background Information

PCTAIRE3 (PCTAIRE-motif protein kinase 3), also named CDK18 or PCTK3, is a member of PCTAIRE subfamily. The PCTAIRE kinase (PCTK) subfamily of CDKs includes three members, PCTK1/CDK16, PCTK2/CDK17, and PCTK3/CDK18, which contain the PCTAIRE sequence instead of the PSTAIRE sequence (PMID: 24831015). PCTK3 has three isoforms with the molecular mass of 54-58kD.

Storage

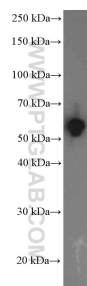
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

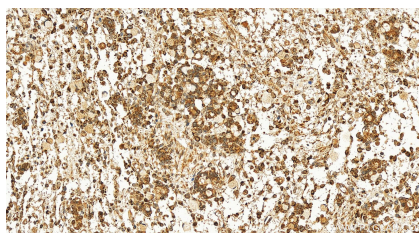
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

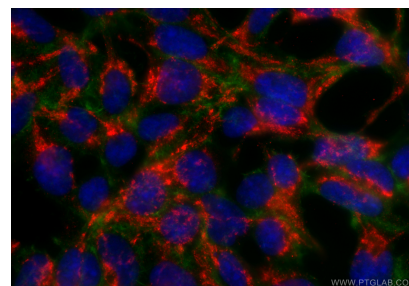
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 12207-1-AP (PCTAIRE3 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 12207-1-AP (PCTAIRE3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using PCTAIRE3 antibody (12207-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).