

For Research Use Only

# PCTAIRE3 Polyclonal antibody

Catalog Number: 12207-1-AP



## Basic Information

<b>Catalog Number:</b> 12207-1-AP	<b>GenBank Accession Number:</b> BC011526	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 600 ug/ml	<b>GeneID (NCBI):</b> 5129	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q07002	IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> PCTAIRE protein kinase 3	IF/ICC 1:200-1:800
<b>Immunogen Catalog Number:</b> AG2851	<b>Calculated MW:</b> 472 aa, 54 kDa	
	<b>Observed MW:</b> 54 kDa, 58 kDa	

## Applications

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

For technical support and original validation data for this product please contact:

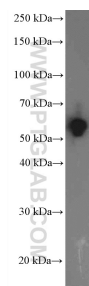
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

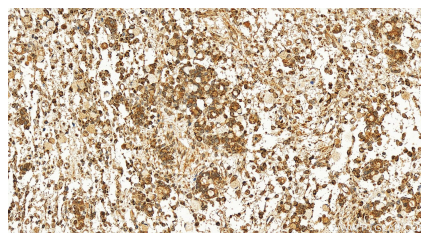
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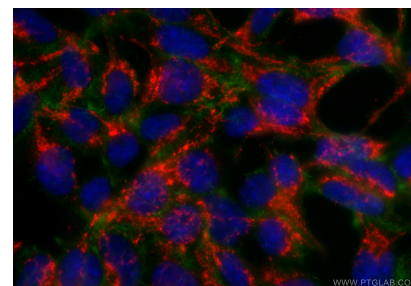
## Selected Validation Data



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).