

For Research Use Only

# GCDFP-15/PIP Polyclonal antibody

Catalog Number:16068-1-AP



## Basic Information

<b>Catalog Number:</b> 16068-1-AP	<b>GenBank Accession Number:</b> BC010950	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5304	<b>Recommended Dilutions:</b> IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P12273	
<b>Isotype:</b> IgG	<b>Full Name:</b> prolactin-induced protein	
<b>Immunogen Catalog Number:</b> AG9004	<b>Calculated MW:</b> 146 aa, 17 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human breast cancer tissue, human skin tissue, human breast tissue
<b>Species Specificity:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

GCDFP-15 (gross cystic disease fluid protein 15), also known as PIP (prolactin-induced protein) is a secretory glycoprotein expressed in benign and malignant breast tumor tissues and in some normal exocrine organs such as sweat, salivary, and lacrimal glands (PMID: 12393800). GCDFP-15 expression is increased by prolactin and androgen and inhibited by estrogen (PMID: 18854942). The expression is also regulated by interleukins. GCDFP-15 is a marker of apocrine differentiation and is frequently used for assessment of metastases or regional recurrences of breast origin.

## Storage

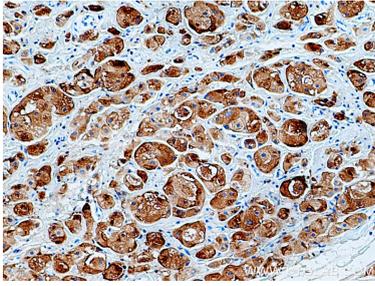
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

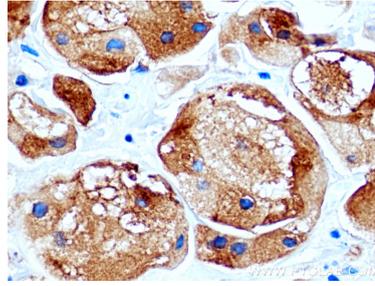
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16068-1-AP (GCDFP-15/PIP 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 breast cancer tissue slide using 16068-1-AP (GCDFP-15/PIP antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).