

GCDFP-15/PIP Polyclonal antibody

Catalog Number: 16068-1-AP

Basic Information

Catalog Number: 16068-1-AP	GenBank Accession Number: BC010950	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 5304	Recommended Dilutions: IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: P12273	
Isotype: IgG	Full Name: prolactin-induced protein	
Immunogen Catalog Number: AG9004	Calculated MW: 146 aa, 17 kDa	

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human

Positive Controls:

IHC : human breast cancer tissue, human skin tissue,
human breast tissue

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

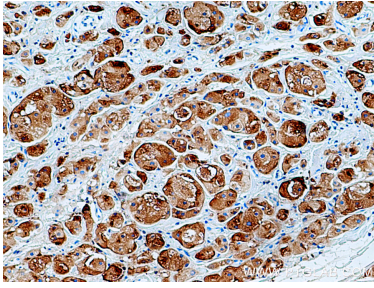
Background Information

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.

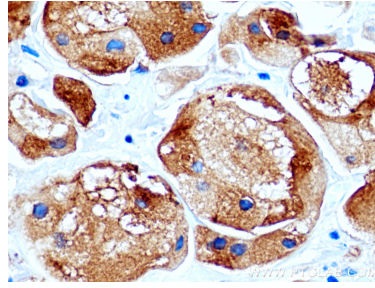
Storage

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

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).