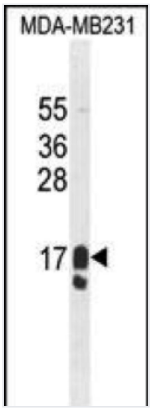
GCDFP-15 Antibody – Rabbit Polyclonal

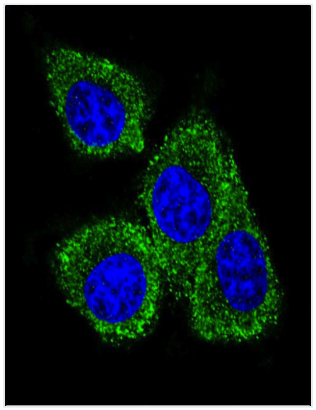
PRODUCT OVERVIEW

Product Name	GCDFP-15, Polyclonal Antibody
Full Product Name	GCDFP-15, CT (PIP, GCDFP15, GPIP4, Prolactin-inducible protein, Gross cystic disease fluid protein 15, Prolactin-induced protein, Secretory actin-binding protein, gp17) (FITC)
Product Gene Name	anti-GCDFP-15 antibody
Product Synonym Gene Name	PIP
Product Synonym Names	PIP; GCDFP15; GPIP4; Prolactin-inducible protein; Gross cystic disease fluid protein 15; Prolactin-induced protein; Secretory actin-binding protein; gp17
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	16,572 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (142829174..142836834). Location: 7q34
OMIM	176720
3D Structure	ModBase 3D Structure for P12273
Immunogen	GCDFP-15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 84-113 amino acids from the C-terminal region of human GCDFP-15.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-GCDFP-15 antibody	Antibodies; Actin Binding Proteins
Applications Tested/Suitable for anti-GCDFP-15 antibody	Immunofluorescence (IF), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-GCDFP-15 antibody	IF: 1:10-50 FLISA: 1:1,000 IHC: 1:10-50 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-GCDFP-15 antibody	Catalyzes the addition of fucose in alpha 1-6 linkage to the first GlcNAc residue, next to the peptide chains in N-glycans.

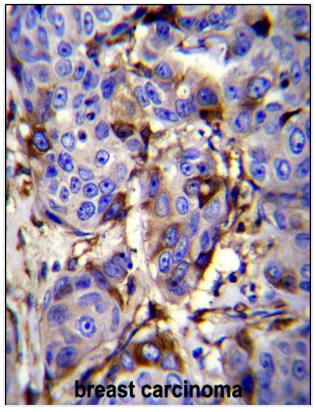
Product References and Citations for anti-GCDFP-15 antibody	Bryborn, M., et al. Allergy 65(2):220-228(2010). Wang, L.J., et al. Appl. Immunohistochem. Mol. Morphol. 17(6):505-511(2009). Yan, Z., et al. Diagn. Cytopathol. 37(7):475-478(2009). Debily, M.A., et al. PLoS ONE 4 (3), E4696 (2009): Hassan, M.I., et al. J. Mol. Biol. 384(3):663-672(2008).
Other Notes	Small volumes of anti-GCDFP-15 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GCDFP-15 purchase	MBS6301569 is an antibody targeting GCDFP-15. Also known as GCDFP-15, CT (PIP, GCDFP15, GPIP4, Prolactin-inducible protein, Gross cystic disease fluid protein 15, Prolactin-induced protein, Secretory actin-binding protein, gp17) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GCDFP-15 antibody
Western Blot analysis in MDA-MB231 cell line lysates (35ug/lane) usingMBS6003948. This demonstrates that MBS6003948 detected the GCDFP-15 protein (arrow).



Immunofluorescence (IF) of anti-GCDFP-15 antibody
Confocal immunofluorescent analysis of MBS6003948 with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



Immunohistochemistry (IHC) of anti-GCDFP-15 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma using MBS6003948 followed by peroxidase conjugation of the secondary antibody and DAB staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GCDFP-15. It may not necessarily be applicable to this product.

NCBI GI #	4505821
NCBI GeneID	5304
NCBI Accession #	NP_002643.1
UniProt Primary Accession #	P12273
UniProt Secondary Accession #	A0A963; A0A9C3; A0A9F3; A4D2I1
UniProt Related Accession #	P12273

GenBank Nucleotide #	NM_002652.2
NCBI Official Full Name	prolactin-inducible protein
NCBI Official Synonym Full Names	prolactin-induced protein
NCBI Official Symbol	PIP
NCBI Official Synonym Symbols	GPIP4; GCDFP15; GCDFP-15
UniProt Protein Name	Prolactin-inducible protein
UniProt Synonym Protein Names	Gross cystic disease fluid protein 15; GCDFP-15; Prolactin-induced protein; Secretory actin-binding protein; SABP; gp17
Protein Family	Prolactin-inducible protein
UniProt Gene Name	PIP
UniProt Synonym Gene Names	GCDFP15; GPIP4; GCDFP-15; SABP
UniProt Entry Name	PIP_HUMAN
NCBI Protein Information	prolactin-inducible protein; SABP; secretory actin-binding protein; gross cystic disease fluid protein 15
UniProt Comments for GCDFP-15	PIP: Belongs to the PIP family. Protein type: Secreted; Cytoskeletal; Secreted, signal peptide Chromosomal Location of Human Ortholog: 7q34 Cellular Component: extracellular space; apical plasma membrane; nucleus Molecular Function: protein dimerization activity; protein binding; IgG binding; actin binding; glycoprotein binding; aspartic-type endopeptidase activity Biological Process: retinal homeostasis; regulation of immune system process; detection of chemical stimulus involved in sensory perception of bitter taste; proteolysis
Research Articles on GCDFP-15	**1.** Gross cystic disease fluid protein-15 and mammaglobin A expression determined by immunohistochemistry is of limited utility in triple-negative breast cancer.
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