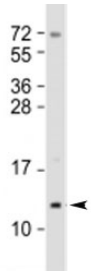
Mammaglobin A Antibody Rabbit Polyclonal / Secretoglobin Family 2A Member 2 Antibody (F53874)

Catalog No.	Formulation	Size
F53874-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53874-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q13296
Applications	Western blot: 1:1000-2000
Limitations	This Mammaglobin A antibody is available for research use only.



Mammaglobin A Antibody Rabbit Polyclonal - western blot analysis. Western blot testing of human T47D cell lysate (mammary gland) using Mammaglobin A Antibody Rabbit Polyclonal at 1:2000. A band is detected at approximately 10-21 kDa, consistent with the predicted molecular weight of Mammaglobin A / SCGB2A2. Variation in apparent molecular weight may reflect differences in glycosylation of this secreted breast-associated protein.

Description

Mammaglobin A (SCGB2A2) is a secreted glycoprotein encoded by the SCGB2A2 gene and belongs to the secretoglobin family of small secreted proteins expressed in epithelial tissues. Mammaglobin A Antibody Rabbit Polyclonal recognizes this breast-associated protein and supports research focused on mammary epithelial biology, breast tissue differentiation, and breast cancer studies. Mammaglobin A is widely studied because of its strong expression in mammary epithelium and its frequent detection in breast carcinoma samples.

SCGB2A2 is a member of the secretoglobin protein family, which includes several secreted proteins involved in epithelial cell function and regulation of local tissue environments. Mammaglobin A is primarily produced by mammary epithelial cells and is secreted into the luminal spaces of breast glandular structures. The protein contains conserved cysteine residues characteristic of secretoglobins, which contribute to its folded structure and secreted protein stability.

Mammaglobin A antibody, also referred to as SCGB2A2 antibody or Mammaglobin antibody in the literature, detects a protein that is highly enriched in breast epithelial cells. In tissue-based studies, Mammaglobin A is typically localized to the cytoplasm and secretory compartments of mammary epithelial cells. Because of this tissue-associated expression pattern, Mammaglobin A is frequently used as a marker for identifying breast-derived epithelial cells in experimental research and tissue analysis.

Increased expression of Mammaglobin A has been reported in many breast carcinomas and metastatic breast cancer lesions. For this reason, Mammaglobin A is widely investigated as a biomarker in studies of breast cancer biology and tumor origin. Detection of Mammaglobin A expression can help identify tumors derived from breast epithelium in research studies examining metastatic disease or tumor classification.

Beyond its use as a breast tissue marker, Mammaglobin A has been studied in the context of hormone signaling, epithelial differentiation, and tumor biology. Although its precise biological function remains under investigation, the protein is believed to participate in secretory pathways and epithelial cell signaling processes within mammary tissue. A rabbit polyclonal antibody such as Mammaglobin A Antibody Rabbit Polyclonal provides a useful tool for detecting Mammaglobin A / SCGB2A2 expression and studying mammary epithelial cell biology and breast cancer in research applications.

Application Notes

Titration of the Mammaglobin A Antibody Rabbit Polyclonal may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 22-51 from the human protein was used as the immunogen for the Mammaglobin A antibody.

Storage

Aliquot the Mammaglobin A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

SCGB2A2 antibody, Mammaglobin antibody, Mammaglobin A protein antibody, Secretoglobin 2A2 antibody, Mammary gland secretoglobin antibody

Copyright © NSJ Bioreagents. All rights reserved.