SPAG1 Antibody

PACO18425

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:1000-1:5000, WB:1:500-1:2000, IHC:1:25-1:100

Protein Background:

This gene encodes a polypeptide hormone precursor that undergoes extensive, tissue-specific, post-translational processing via cleavage by subtilisin-like enzymes known as prohormone convertases. There are eight potential cleavage sites within the polypeptide precursor and, depending on tissue type and the available convertases, processing may yield as many as ten biologically active peptides involved in diverse cellular functions. The encoded protein is synthesized mainly in corticotroph cells of the anterior pituitary where four cleavage sites are used; adrenocorticotrophin, essential for normal steroidogenesis and the maintenance of normal adrenal weight, and lipotropin beta are the major end products. In other tissues, including the hypothalamus, placenta, and epithelium, all cleavage sites may be used, giving rise to peptides with roles in pain and energy homeostasis, melanocyte stimulation, and immune modulation.

Gene ID:

SPAG1

Uniprot

Q07617

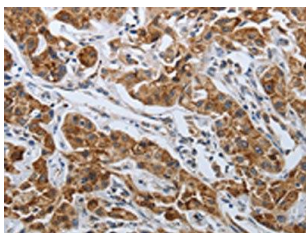**Synonyms:**

Sperm associated antigen 1

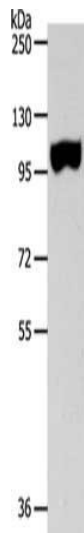**Immunogen:**

Synthetic peptide of human SPAG1.

Storage:

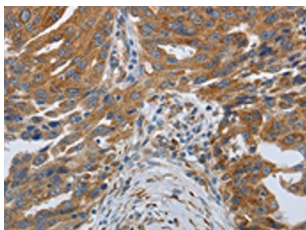-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product Images

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using PACO18425(SPAG1 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x—200).

Gel: 8%SDS-PAGE, Lysate: 40 μ g, Lane: Human colon tissue, Primary antibody: PACO18425(SPAG1 Antibody) at dilution 1/600, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 2 minutes.

The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using PACO18425(SPAG1 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x—200).