

IHCAb™ PSAP mouse mAb (BGT119)

Cat #: B-IMW6906

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

This gene encodes an enzyme that catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is synthesized under androgen regulation and is secreted by the epithelial cells of the prostate gland. An alternatively spliced transcript variant encoding a longer isoform has been found for this gene. This isoform contains a transmembrane domain and is localized in the plasma membrane-endosomal-lysosomal pathway.

Product Information

Applications/Dilution: IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500

Isotype/Source: Mouse, Monoclonal/IgG2b, Kappa

Specificity: The antibody can specifically recognize human PSAP protein.

Subcellular Location: [Isoform 1]: Secreted .; [Isoform 2]: Cell membrane ; Single-pass type I membrane protein . Lysosome membrane ; Single-pass type I membrane protein . Nucleus . Cytoplasm, cytosol . Appears to shuttle between the cell membrane and intracellular vesicles. Colocalizes with FLOT1 at cell membrane and in intracellular vesicles. Colocalizes with LAMP2 on the lysosome membrane

Expression: Highly expressed in the prostate, restricted to glandular and ductal epithelial cells. Also expressed in bladder, kidney, pancreas, lung, cervix, testis and ovary. Weak expression in a subset of pancreatic islet cells, squamous epithelia, the pilosebaceous unit, colonic neuroendocrine cells and skin adnexal structures. Low expression in prostate carcinoma cells and tissues. ; [Isoform 2]: Widely expressed. Expressed in the sarcolemma of skeletal muscle

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.106% sodium azide

Storage: Store at -15°C to -25°C

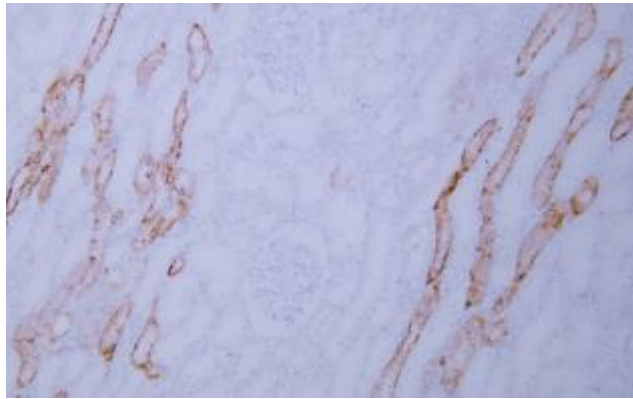


Fig.1. Human kidney tissue was stained with Anti-Prostatic Acid Phosphatase Antibody. Secondary Antibody was Biogradetech POLY™ Polymer HRP Goat Anti-Rabbit/Mouse IgG(H+L) Secondary Antibody (B-IMWRS11)

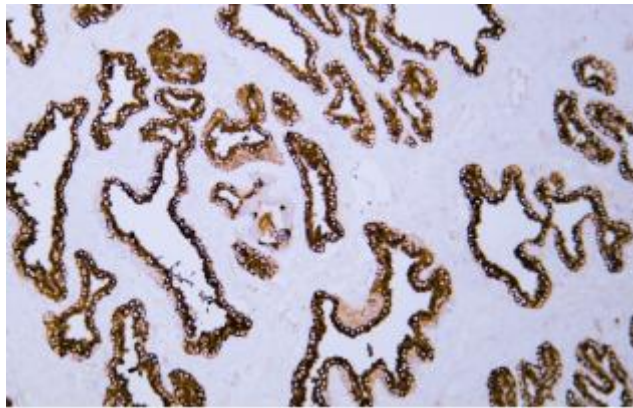


Fig.2. Human prostate tissue was stained with Anti-Prostatic Acid Phosphatase Antibody. Secondary Antibody was Biogradetech POLY™ Polymer HRP Goat Anti-Rabbit/Mouse IgG(H+L) Secondary Antibody (B-IMWRS11)

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.