

# m-IgGκ BP-B: sc-516142

## BACKGROUND

Mouse IgGκ light chain binding protein is a strongly recommended alternative to conventional anti-mouse IgG secondary antibodies for immunohistochemistry (IHC) signal enhancement. Mouse IgGκ light chain binding protein is a highly specific detection reagent that provides strong signal with minimal background and virtually complete elimination of lot-to-lot variation associated with conventionally generated secondary antibodies. Mouse IgGκ light chain binding protein (m-IgGκ BP) conjugated to biotin (B) is suitable for binding to mouse IgGκ light chain immunoglobulins, comprising a vast majority of mouse monoclonal primary antibodies; not suitable for use with mouse monoclonal IgGλ light chain primary antibodies. Biotin is a small vitamin that the molecules Avidin and Streptavidin have a very high affinity for binding. Biotin conjugates are used for Avidin-Biotin Complex (ABC) and Labeled-Streptavidin Biotin (LSAB) methods for signal amplification in immunohistochemistry applications.

## SOURCE

m-IgGκ BP-B is a purified recombinant mouse IgGκ light chain binding protein conjugated to biotin (B).

## PRODUCT

Each vial contains 200 μg mouse IgGκ binding protein-B in 0.5 ml of PBS containing 1% stabilizer protein and 0.02% sodium azide.

## APPLICATIONS

m-IgGκ BP-B is recommended for detection of mouse IgGκ light chain by immunohistochemistry (starting dilution: 1:50, dilution range 1:50-1:200). Optimal dilution to be determined by titration.

## RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz™ Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336
- Organo/Limonene Mount, non-toxic alternative to Permount, 100 ml: sc-45087
- UltraCruz® Mounting Medium, aqueous-based, 10 ml: sc-24941
- ImmunoHistoMount, aqueous-based mounting medium, 30 ml: sc-45086
- Immuno In Situ Mount, for use with *in situ* hybridization, 30 ml: sc-45088
- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

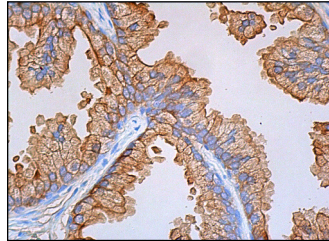
## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

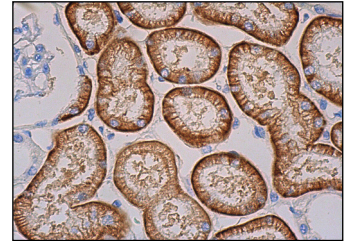
## RESEARCH USE

For research use only, not for use in diagnostic procedures.

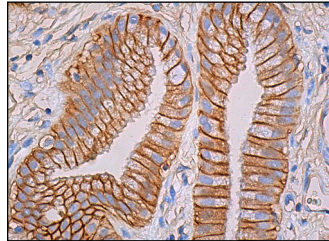
## DATA



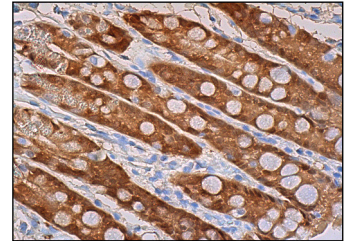
m-IgGκ BP-B: sc-516142. Immunoperoxidase staining of formalin fixed, paraffin-embedded human prostate tissue showing cytoplasmic and membrane staining of glandular cells. Antibody tested: Cytokeratin 8 (C51): sc-8020.



m-IgGκ BP-B: sc-516142. Immunoperoxidase staining of formalin fixed, paraffin-embedded human kidney tissue showing membrane and cytoplasmic staining of cells in tubules. Antibody tested: CD98 (E-5): sc-376815.



m-IgGκ BP-B: sc-516142. Immunoperoxidase staining of formalin fixed, paraffin-embedded human gall bladder tissue showing membrane staining of glandular cells. Antibody tested: CA IX (H-11): sc-365900.



m-IgGκ BP-B: sc-516142. Immunoperoxidase staining of formalin fixed, paraffin-embedded human duodenum tissue showing cytoplasmic and nuclear staining of glandular cells. Antibody tested: DARPP-32 (G-5): sc-398360.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.