

## Actin, Smooth Muscle

Catalog # RB-9010-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200ug/ml)

Catalog # RB-9010-R7 (7.0ml)

Catalog # RB-9010-PCS

### INTENDED USE:

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** This antibody stains smooth muscle cells in arterial vessel walls, gut wall, and myometrium. Myoepithelial cells in breast and salivary gland are also stained. It reacts with tumors arising from smooth muscles and myoepithelial cells.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Smooth muscle of artery, gut wall, uterus and leiomyoma.

### MATERIALS PROVIDED:

**Actin, Smooth Muscle (refer to catalog number):**

- #RB-9010-P (or -P0, -P1): 200ug/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.  
or
- #RB-9010-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.  
or
- #RB-9010--PCS: 5 positive control slides.
- **Antibody Concentration:** 200ug/ml
- **Host:** Rabbit
- **Epitope:** N-terminus
- **Species Reactivity:** Human, Baboon, Cow, Rabbit, Mouse, Rat, Chicken. Others not tested.
- **Ig Isotype / Light Chain:** IgG
- **Immunogen:** A synthetic peptide from N-terminus of human alpha smooth muscle isoform of actin
- **Microbiological State:** This product is not sterile.

### MATERIALS REQUIRED, BUT NOT PROVIDED:

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

### METHODS AND PROCEDURES:

<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:25 in antibody diluent
<b>Tissue Section Pretreatment</b>	No special pretreatment is required for immuno-histochemical staining of formalin-fixed tissues.
<b>Primary Antibody Incubation Time</b>	30 min at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

### STORAGE and STABILITY:

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.