Vascular Endothelial Growth Factor (VEGF) Ab-1
Catalog # RB-222-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 1mg/ml)
Catalog # RB-222-R7 (7.0ml)

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:** VEGF (vascular endothelial growth factor) is a homodimeric, disulfide-linked glycoprotein involved in angiogenesis which promotes tumor progression and metastasis. It exhibits potent mitogenic and permeability inducing properties specific for the vascular endothelium. Of the four isoforms of VEGF, the smaller two, VEGF165 and VEGF121, are secreted proteins and act as diffusible agents, whereas the larger two (VEGF189 and VEGF206) remain cell associated.
- **Expected Staining Pattern:** Cytoplasmic, cell surface, and extracellular matrix
- **Positive Control:** Angiosarcoma.

MATERIALS PROVIDED:
**Vascular Endothelial Growth Factor (VEGF) Ab-1 (refer to catalog number):**
- #RB-222-P (or -P0, -P1) 1mg/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
- or
- #RB-222-R7: (7.0ml) of antibody prediluted in 0.05mol /L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
- **Antibody Concentration:** 1mg/ml
- **Host:** Rabbit
- **Mol. Wt. of Antigen:** 19-22kDa (reduced)
- **Epitope:** Not determined
- **Species Reactivity:** Human, Mouse, and Rat. Others-not known.
- **Clone Designation:** Polyclonal
- **Ig Isotype / Light Chain:** IgG
- **Immunogen:** Human recombinant VEGF165
- **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:
<table>
<thead>
<tr>
<th>Specimen Preparation</th>
<th>Refer to the “General Protocol” instructions.</th>
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<tbody>
<tr>
<td>Dilution of Concentrated Antibody</td>
<td>1:100-1:200 in antibody diluent</td>
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<tr>
<td>Tissue Section Pretreatment</td>
<td>Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 1mM EDTA, pH 8.0 (Cat. #AP-9004), for 10-20 min followed by cooling at RT for 20 min.</td>
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<td>Primary Antibody Incubation Time</td>
<td>30 mins at Room Temperature</td>
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<tr>
<td>Visualization</td>
<td>To detect antibody, follow the instructions provided with the visualization system.</td>
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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.

REFERENCES:
2) Boocock CA; et al. Journal of the National Cancer Institute, 1995 Apr 5, 87(7):506-16.