Calretinin
Concentrated and Prediluted Polyclonal Antibody
901-092-111720

Available Product Formats

<table>
<thead>
<tr>
<th>Format</th>
<th>Catalog Number</th>
<th>Description</th>
<th>Dilution</th>
<th>Diluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentrate</td>
<td>CP 092 A, C</td>
<td>0.1, 1.0 mL</td>
<td>1:100</td>
<td>Van Gogh Yellow</td>
</tr>
<tr>
<td>Predilute</td>
<td>PP 092 AA</td>
<td>6.0 mL</td>
<td>Ready-to-use</td>
<td>N/A</td>
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<tr>
<td>intelliPATH FLX</td>
<td>IP 092 G10</td>
<td>10 mL</td>
<td>Ready-to-use</td>
<td>N/A</td>
</tr>
<tr>
<td>ONCORE</td>
<td>OAI 092 T60</td>
<td>60 tests</td>
<td>Ready-to-use</td>
<td>N/A</td>
</tr>
<tr>
<td>ONCORE Pro</td>
<td>OPAI 092 T60</td>
<td>60 tests</td>
<td>Ready-to-use</td>
<td>N/A</td>
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<tr>
<td>VALENT</td>
<td>VLTR 092 G20</td>
<td>20 mL</td>
<td>Ready-to-use</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Intended Use:**
For In Vitro Diagnostic Use
Calretinin is a rabbit polyclonal antibody that is intended for laboratory use in the qualitative identification of calretinin protein by immunohistochemistry (IHC) in formalin-fixed paraffin-embedded (FFPE) human tissues. The clinical interpretation of any staining or its absence should be complemented by morphological studies using proper controls and should be evaluated within the context of the patient’s clinical history and other diagnostic tests by a qualified pathologist.

**Summary and Explanation:**
Calretinin is a calcium binding protein that is related to calmodulin and calbindin-D28k and is found mainly in neuronal tissue. It is present in subsets of neurons throughout the brain and spinal cord, including sensory ganglia. Studies have shown that Calretinin, like calbindin, may be neuroprotective. Immunohistochemical studies have also recently shown Calretinin to be useful in distinguishing mesotheliomas from lung adenocarcinomas. However, it is recommended that a panel of antibodies be used in tandem with Calretinin. Other antibodies recommended are CK 5/6, E-cadherin, WT-1, CEA, B72.3, Vimentin and D2-40. Calretinin may not stain all mesotheliomas.

**Principle of Procedure:**
Antigen detection in tissues and cells is a multi-step immunohistochemical process. The initial step binds the primary antibody to its specific epitope. After labeling the antigen with a primary antibody, a one-step or two-step detection procedure can be applied. A one-step procedure will feature an enzyme labeled polymer that binds the primary antibody. A two-step procedure will feature a linker antibody added to bind to the primary antibody. An enzyme-labeled polymer is then added to bind the linker antibody. These detections of the bound antibodies are evidenced by a colorimetric reaction.

**Source:** Rabbit polyclonal
**Species Reactivity:** Human
**Clone:** N/A
**Isotype:** N/A
**Protein Concentration:** Call for lot specific Ig concentration.
**Epitope/Antigen:** Calretinin
**Cellular Localization:** Nuclear and cytoplasmic

**Positive Tissue Control:** Mesothelioma

**Known Applications:**
Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:** Buffer with protein carrier and preservative

**Storage and Stability:**
Store at 2ºC to 8ºC. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date. Diluted reagents should be used promptly; any remaining reagent should be stored at 2ºC to 8ºC.

**Protocol Recommendations (VALENT<sup>®</sup> Automated Slide Staining Platform):**
VLTR092 is intended for use with the VALENT. Refer to the User Manual for specific instructions for use. Protocol parameters in the Protocol Manager should be programmed as follows:
- **Deparaffinization:** Deparaffinize for 8 minutes with Val DePar.
- **Pretreatment:** Perform heat retrieval at 98°C for 60 minutes using Val AR-Hi pH, 5X (use at 1X).
- **Peroxidase Block:** Block for 5 minutes with Val Peroxidase Block.
- **Primary Antibody:** Incubate for 10 minutes with Val Background Block.
- **Secondary:** N/A
- **Linker:** Incubate for 10 minutes with Val Universal Linker.
- **Polymer:** Incubate for 20 minutes with Val Universal Polymer.
- **Chromogen:** Incubate for 5 minutes with Val DAB.

**Protocol Recommendations (intelliPATH FLX<sup>®</sup> and manual use):**
- **Peroxide Block:** Block for 5 minutes with Peroxidased 1.
- **Pretreatment:** Perform heat retrieval using Diva Decloaker. Refer to the Diva Decloaker data sheet for specific instructions.
- **Protein Block (Optional):** Incubate for 5-10 minutes at RT with Background Punisher.
- **Primary Antibody:** Incubate for 30-45 minutes at RT.
- **Probe:** N/A
- **Polymer:** Incubate for 30 minutes at RT with a secondary-conjugated polymer.
- **Chromogen:** Incubate for 5 minutes at RT with Biocare’s DAB -OR- Incubate for 5-7 minutes at RT with Warp Red.

**Protocol Recommendations (ONCORE™ Automated Slide Staining System):**
OAID092 is intended for use with the ONCORE. Refer to the User Manual for specific instructions for use. Protocol parameters in the Protocol Editor should be programmed as follows:

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References: