Anti-Calretinin Antibody

Catalog#: 303-CAL        Size: 100 µl

<table>
<thead>
<tr>
<th>Host</th>
<th>Applications</th>
<th>Species Tested</th>
<th>Species Reactivity*</th>
<th>Molecular Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheep</td>
<td>WB 1:1000</td>
<td>R</td>
<td>H, M, NHP</td>
<td>~29 kDa</td>
</tr>
<tr>
<td></td>
<td>IHC 1:500</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Product Description:** Sheep polyclonal antibody

**Biological Significance:** Calretinin is a calcium-binding protein involved in calcium signaling. It is abundantly expressed throughout the central nervous system, retina and many other tissues. Studies have shown that calretinin may play a role in neuroprotection by buffering intracellular calcium (Lukas and Jones 1994, Weisenhorn et al., 1996). Additionally, calretinin selectively stains mesothelial cells thus making it an important marker for differentiating malignant mesothelioma from carcinomas (Attanoos et al., 2000).

**Antigen:** Purified guinea pig calretinin.

**Antibody Specificity:** Specific for endogenous levels of the ~29 kDa calretinin protein in Western blots of rat brain lysate. The antibody also works well for immunohistochemistry on formalin or paraformaldehyde perfused rat brain tissue sections.

**Purification Method:** Protein A purified sheep serum.

**Quality Control Tests:** Western blots performed on each lot.

**Packaging:** 100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg BSA per ml and 50% glycerol.

**Storage and Stability:** Shipped on blue ice. Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
General References:


