Pigment Epithelium-Derived Factor (PEDF), a protein previously shown to have neurotrophic activity, is indispensable for neuronal development, differentiation and existence adjacent to retina. The amount of inhibitory PEDF produced by retinal cells was positively correlated with oxygen concentrations, suggesting that its loss play a permissive role in ischemia-driven retinal neovascularization. So that, PEDF is likely to contribute to regulate of blood vessels growth in eye by creating a permissive environment when oxygen is limiting and an inhibitory environment oxygen concentrations are normal or high (Science Vol 285: 245-248, 1999).

PEDF may be a therapeutic target pathologic ocular neovascularization as well as for retinoblastomas. This antibody could detect PEDF with western-blotting method in medium of retinal pigment epithelium cell. This antibody is useful in research for angionenesis and neuronal system.

**Anti Human PEDF Monoclonal Antibody (Clone No. 14K)**

- **Package Size**: 50 μg (200 μL/vial)
- **Format**: Mouse monoclonal antibody 0.25 mg/mL
- **Buffer**: Block Ace as a stabilizer, containing 0.1%Proclin as bacteriostat
- **Storage**: Store below -20°C
  - Once thawed, store at 4°C. Repeated freeze-thaw cycles should be avoided.
- **Clone No.**: 14K
- **Sub class**: IgG1
- **Purification method**: The cell line was grown on serum free medium, from which the antibody was purified by Protein G affinity chromatography.

**Immunoreactivity for western-Blotting**

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<tr>
<th>Sample</th>
<th>Primary antibody</th>
<th>2nd antibody</th>
</tr>
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<td>PEDF in the medium of retinal pigment epithelium</td>
<td>Control mouse IgG, Anti PEDF monoclonal antibody</td>
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【Reference】


* These references are the background of PEDF, and are not this antibody examples.