Anti-EP4 Prostanoid Receptor
produced in rabbit, affinity isolated antibody

Catalog Number P8497

Product Description
Anti-EP4 Prostanoid Receptor is produced in rabbit using as immunogen a synthetic peptide conjugated to KLH. The peptide corresponds to the C-terminus of human EP4 Prostanoid Receptor. The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

The antibody specifically recognizes human EP4 Prostanoid Receptor by immunohistochemistry with formalin-fixed, paraffin-embedded tissues. Not tested for other uses. The immunizing peptide has 93% homology with mouse and rat genes. Other species reactivity has not been confirmed.

The EP4 receptor has been reported to be expressed in blood, colon, immune tissue, intestine, kidney, lung, ovary, skin, and uterus. ESTs have been isolated from a wide range of human tissue libraries. In the immune system, the level of EP4 receptor in T-cell lines is downregulated by phorbol 12-myristate 13-acetate (PMA), an activator of protein kinase C. PGE2 may regulate neoplastic cell function in cervical carcinoma in an autocrine/paracrine manner via the EP2/EP4 receptors.

Reagent
Supplied as a solution in phosphate buffered saline containing less than 0.01% sodium azide as a preservative.

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability
For continuous use, store at 2-8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile
Immunohistochemistry: a minimum working concentration of 1.7 µg/mL is recommended using colon ganglia.

Note: In order to obtain the best results in various techniques and preparations, it is recommended to determine optimal working dilutions by titration test.

References

This product manufactured by MBL International.

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