

Product Information

Anti-Endothelin A Receptor

produced in rabbit, affinity isolated antibody

Catalog Number **E9780**

Product Description

Anti-Endothelin A Receptor is produced in rabbit using as immunogen a synthetic peptide conjugated to KLH. The peptide corresponds to the third extracellular domain of human endothelin A receptor. The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-Endothelin A Receptor specifically recognizes human endothelin A receptor by immunohistochemistry with formalin-fixed, paraffin-embedded tissues. Not tested for other uses. The immunizing peptide has 100% homology with mouse. Other species reactivity has not been confirmed.

Endothelin A Receptor (ETA) has been reported in a variety of tissues including placenta, uterus, testis, heart, adrenal gland, lung, kidney, ovary, skin, liver, bladder, large blood vessels, cerebellum, neurons, and meningioma tumor cells. A splice variant has been identified in melanoma (Zhang *et al.*, 1998). ESTs (Expressed Sequence Tags) have been isolated from libraries from the above-mentioned tissues.

ETA is one of three endothelin receptors which mediates the effects of endothelin-1, a vasoconstrictor peptide. Located in the smooth muscle tissue of blood vessels, the interaction between endothelin and ETA play a role in the regulation of blood pressure.

Reagent

Supplied as a solution of 1 mg/ml in phosphate buffered saline containing 0.1% 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 Material 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 working concentration of 3-16 µg/ml is recommended.

Note: In order to obtain the best results and assay sensitivity in various techniques and preparations, we recommend determining optimal working dilutions by titration.

This product is manufactured by MBL International Corporation.

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