

Code No. 16201

**Anti-Human  
Endothelin-A Receptor (A405) Rabbit IgG Affinity Purify**

Volume : 100 µg

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**Introduction** : Two kinds of receptors for Endothelin have been found, namely Endothelin-A (ET-A) receptor and Endothelin-B (ET-B) receptor. ET-A receptor is ET-1 specific and expressed in lung, aorta, atrium, liver, muscle, cerebral cortex, cerebellum, kidney, adrenal, duodenum, colon and placenta at the mRNA or cDNA level, while ET-B receptor lacks isopeptide specificity and is found in liver, lung, placenta, kidney, heart and brain. Cellular localization of ET-receptors in these organs or tissues, however, has not been elucidated, although stromal cells, but not epithelial cells of the breast, express ET-1 receptor *in vitro*.

**Antigen** : Synthetic peptide of the C terminal part of human Endothelin-A receptor (IQWKNHEQNNHNT)

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from PBS containing 1 % BSA and 0.05 % NaN<sub>3</sub>

**How to use** : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues by several method. The optimal concentration is about 5 µg/mL, however, the concentration should be optimized by each laboratory.  
: This antibody can be used for western blotting in concentration of about 5 µg /mL.

**Specificity** : Cross-reacts with bovine and rat.

**Reference** : 1. Hiraki H., Hoshi N., Hasegawa H., Tanigawa T., Emura I., Seito T., Yamaki T., Fukuda T., Watanabe K., and Suzuki T. Regular immunohistochemical localization of endothelin-1 and endothelin-B receptor in normal, hyperplastic and neoplastic

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*For research use only, not for use in diagnostic procedures.*