

ACE1 Polyclonal Antibody

catalog number: E-AB-16159

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

| | |
|---------------------|--|
| Reactivity | Human;Mouse;Rat |
| Immunogen | Synthetic peptide of human ACE |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Conjugation | Unconjugated |
| Buffer | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

Applications

Recommended Dilution

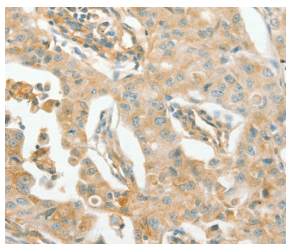
| | |
|------------|--------------|
| WB | 1:200-1:1000 |
| IHC | 1:100-1:300 |

Data

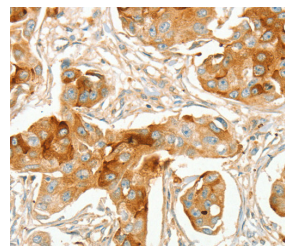


Western Blot analysis of Human ileum adenocarcinoma tissue, Human testis and prostate tissue using ACE1 Polyclonal Antibody at dilution of 1:240

Calculated-MW:150 kDa



Immunohistochemistry of paraffin-embedded Human lung cancer using ACE1 Polyclonal Antibody at dilution of 1:70



Immunohistochemistry of paraffin-embedded Human breast cancer using ACE1 Polyclonal Antibody at dilution of 1:70

Preparation & Storage

| | |
|-----------------|--|
| Storage | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| Shipping | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

Background

For Research Use Only

This gene encodes an enzyme involved in catalyzing the conversion of angiotensin I into a physiologically active peptide angiotensin II. Angiotensin II is a potent vasopressor and aldosterone-stimulating peptide that controls blood pressure and fluid-electrolyte balance. This enzyme plays a key role in the renin-angiotensin system. Many studies have associated the presence or absence of a 287 bp Alu repeat element in this gene with the levels of circulating enzyme or cardiovascular pathophysiologies. Multiple alternatively spliced transcript variants encoding different isoforms have been identified, and two most abundant spliced variants encode the somatic form and the testicular form, respectively, that are equally active.