



Anti-ACE polyclonal antibody [Biotin] (DPABY-689)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | View ACE IHC images. |
| Specificity | Detectsmouse ACE/CD143 in ELISAs and Western blots. In sandwich immunoassays, less than 0.2%cross-reactivity with recombinant mouse ACE-2 and recombinant human ACE is observed. |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant mouse ACE/CD143. Leu35-Gln1264 Accession Number P09470 |
| Isotype | IgG |
| Source/Host | Goat |
| Species Reactivity | Mouse |
| Purification | Antigen Affinity-purified |
| Conjugate | Biotin |
| Applications | Western Blot, Flow Cytometry, Immunohistochemistry, ELISA Detection (Matched Pair) |
| Format | Liquid |
| Size | 50 µg |
| Buffer | Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody. |
| Preservative | None |
| Storage | Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to |

-70 °C. Upon reconstitution, the antibody can be stored at 2 °C to - 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at - 20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

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| Gene Name | Ace angiotensin I converting enzyme (peptidyl-dipeptidase A) 1 [Mus musculus (house mouse)] |
| Official Symbol | ACE |
| Synonyms | ACE; angiotensin I converting enzyme (peptidyl-dipeptidase A) 1; CD143; AW208573; angiotensin-converting enzyme; kininase II; dipeptidyl peptidase; dipeptidyl carboxypeptidase I; |
| Entrez Gene ID | 11421 |
| Protein Refseq | NP_001268748 |
| UniProt ID | Q3TU20 |
| Chromosome Location | 11 E1; 11 68.84 cM |
| Pathway | ACE Inhibitor Pathway; Chagas disease (American trypanosomiasis); Hypertrophic cardiomyopathy (HCM); Metabolism of Angiotensinogen to Angiotensins; Metabolism of proteins; Peptide hormone metabolism; Renin-angiotensin system; |
| Function | actin binding; amylase activity; beta-6-sulfate-N-acetylglucosaminidase activity; beta-glucanase activity; bradykinin receptor binding; carboxypeptidase activity; chloride ion binding; dextrin alpha-glucosidase activity; drug binding; endopeptidase activi |