**Rabbit anti-** **human Alpha-enolase polyclonal Antibody**

**Catalog Number:** **CSB-PA02395A0Rb**

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| **Synonym Names** | 2-phospho-D-glycerate hydro-lyase,C-myc promoter-binding protein,Enolase 1,MBP-1,MPB-1,Non-neural enolase,NNE,Phosphopyruvate hydratase,Plasminogen-binding protein,ENO1,ENO1L1, MBPB1, MPB1 |
| **Product type** | Primary antibodies |
| **Description** | Rabbit polyclonal to ENO1 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Reacts with** | Human; Other species are not tested.Please decide the specificity by homology . |
| **Conjugate** | Non-conjugated |
| **Purity** | >95% by Caprylic Acid Ammonium Sulfate Precipitation |
| **Storage buffer** | Preservative: 0.03% Proclin 300  Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 |
| **Storage** | Shipped at 4°C Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze. |
| **Form** | Liquid |
| **Raised in** | Rabbit |
| **Tested applications** | ELISA;Use at an assay dependent dilution.  WB:1:200-1:2000  IHC:1:20-1:200 (Recommender dilutions) |
| **Positive WB detected in** | EC109 whole cell lysate,293T whole cell lysate |
| **Positive IHC detected in** | human kidney |
| **Images** | Western blot  **All lanes:**Alpha-enolase antibody at 2ug/ml **Lane 1:**EC109 whole cell lysate **Lane 2:**293T whole cell lysate  **Secondary** Goat polyclonal to Rabbit IgG at 1/15000 dilution  **Predicted band size:**47.7 kDa  **Observed band size:**47.7 kDa  Immunohistochemistry  Immunohistochemistry of paraffin-embeded human kidney using CSB-PA02395A0Rb at dilution of 1:50 |
| **Function** | Multifunctional enzyme that, as well as its role in glycolysis, plays a part in various processes such as growth control, hypoxia tolerance and allergic responses. May also function in the intravascular and pericellular fibrinolytic system due to its ability to serve as a receptor and activator of plasminogen on the cell surface of several cell-types such as leukocytes and neurons. Stimulates immunoglobulin production. MBP1 binds to the myc promoter and acts as a transcriptional repressor. May be a tumor suppressor. |
| **References** | [1]"Structure of human alpha-enolase (hENO1), a multifunctional glycolytic enzyme."Kang H.J., Jung S.K., Kim S.J., Chung S.J.Acta Crystallogr. D 64:651-657(2008).  [2]"The first identification of lysine malonylation substrates and its regulatory enzyme."  Peng C., Lu Z., Xie Z., Cheng Z., Chen Y., Tan M., Luo H., Zhang Y., He W., Yang K., Zwaans B.M., Tishkoff D., Ho L., Lombard D., He T.C., Dai J., Verdin E., Ye Y., Zhao Y.  Mol. Cell. Proteomics 10:M111.012658.01-M111.012658.12(2011).  [3]"Initial characterization of the human central proteome."Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuemmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011). |