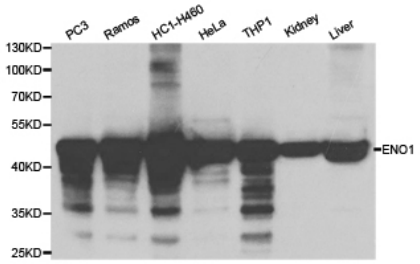
ENO1Polyclonal Antibody

E91033

Catalog Number: E91033
Amount: 100ul
Background: Enolase is an important glycolytic enzyme involved in the interconversion of 2-phosphoglycerate to phosphoenolpyruvate. Mammalian enolase exists as three subunits: enolase-1 (α-enolase), enolase-2 (γ-enolase) and enolase-3 (β-enolase) that can form both homo- and heterodimers. Expression of the enolase isoforms differs in a tissue specific manner (1). Enolase-1 plays a key role in anaerobic metabolism under hypoxic conditions and may act as a cell surface plasminogen receptor during tissue invasion (2,3). Abnormal expression of enolase-1 is associated with tumor progression in some cases of breast and lung cancer (4-7). Alternatively, an enolase-1 splice variant (MBP-1) binds the c-myc promoter p2 and may function as a tumor suppressor. For this reason enolase-1 is considered as a potential therapeutic target in the treatment of some forms of cancer (8).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: ENO1;ENO1L1;MBP-1;MPB1;NNE;PPH ;
Immunogen: Recombinant proteinof human ENO1
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 47kDa
Swiss-Prot No. : P06733
Gene ID: 2023
References: 1. Pancholi, V. (2001) Cell Mol Life Sci 58, 902-20. 2. Redlitz, A. et al. (1995) Eur J Biochem 227, 407-15. 3. Jiang, B.H. et al. (1997) Cancer Res 57, 5328-35. 4. Peebles, K.A. et al. (2003) Carcinogenesis 24, 651-7. 5. Zhang, L. et al. (2000) J Surg Res 93, 108-19. 6. Wu, W. et al. (2002) Clin Exp Metastasis 19, 319-26. 7. Hennipman, A. et al. (1988) Tumour Biol 9, 241-8. 8. Feo, S. et al. (2000) FEBS Lett 473, 47-52.

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of various cell lines, using ENO1 antibody.

For Research Use Only