



ENO1

Antibody

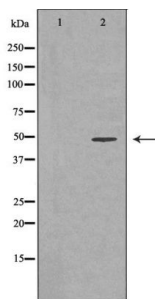
#24277

Catalog Number: 24277-1, 24277-2**Amount:** 50µg/50µl, 100µg/100µl**Swiss-Prot No. :** P06733**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.**Storage/Stability:** Store at -20°C/1 year**Immunogen:** The antiserum was produced against synthesized peptide derived from Human ENO1**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.**Specificity/Sensitivity:** ENO1 Antibody detects endogenous levels of total ENO1**Reactivity:** Human, Mouse, Rat**Applications:**

Predicted MW: 47kd

WB: 1:500-2000

IHC: 1:50-200



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

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 . Enolase-1 plays a key role in anaerobic metabolism under hypoxic conditions and may act as a cell surface plasminogen receptor during tissue invasion . Abnormal expression of enolase-1 is associated with tumor progression in some cases of breast and lung cancer . 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 .