

α Enolase (28): sc-101515

BACKGROUND

Enolases have been characterized as highly conserved cytoplasmic glycolytic enzymes that may be involved in differentiation. Three isoenzymes have been identified: α enolase, β enolase and γ enolase. α enolase expression has been detected on most tissues, whereas β enolase is expressed predominantly in muscle tissue and γ enolase is detected only in nervous tissue. These isoforms exist as both homodimers and heterodimers, and they play a role in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ENO1 (human) mapping to 1p36.23; Eno1 (mouse) mapping to 4 E2.

SOURCE

α Enolase (28) is a mouse monoclonal antibody raised against recombinant α Enolase of human origin.

PRODUCT

Each vial contains 200 μg IgG₁ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

α Enolase (28) is recommended for detection of α Enolase of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for α Enolase siRNA (h): sc-35310, α Enolase siRNA (m): sc-35311, α Enolase shRNA Plasmid (h): sc-35310-SH, α Enolase shRNA Plasmid (m): sc-35311-SH, α Enolase shRNA (h) Lentiviral Particles: sc-35310-V and α Enolase shRNA (m) Lentiviral Particles: sc-35311-V.

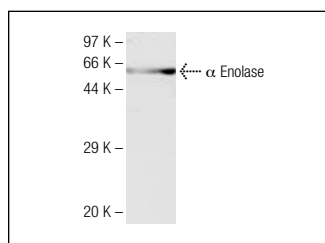
Molecular Weight of α Enolase: 47 kDa.

Positive Controls: A549 cell lysate: sc-2413 or MCF7 whole cell lysate: sc-2206.

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

DATA



α Enolase (28): sc-101515. Western blot analysis of human recombinant α Enolase.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

CONJUGATES

See **Enolase (A-5): sc-271384** for Enolase antibody conjugates, including AC, HRP, FITC, PE, Alexa Fluor® 488 and Alexa Fluor® 647.