

## Anti-ENC-1 Antibody

Catalog Number: A07138

### About ENC1

The ectoderm-neural cortex-1 (ENC-1) protein is an early and highly specific marker of neural induction in vertebrates. It is a kelch family related protein that functions as an actin-binding protein and has been suggested to be involved in the organization of the actin cytoskeleton during neural fate specification and development of the nervous system. ENC-1 has also been shown to be required for adipocyte differentiation when cytoskeletal reorganization and cell shape change from fibroblastic preadipocytes to spherical adipocytes occur.

### Overview

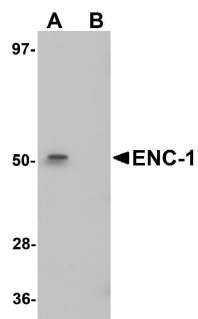
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|----------------------|--|
| Product Name         | Anti-ENC-1 Antibody  |
| Reactive Species     | Human, Mouse, Rat  |
| Description          | Boster Bio Anti-ENC-1 Antibody (Catalog # A07138). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.   |
| Application          | ELISA, IF, IHC-P, WB   |
| Clonality            | Polyclonal   |
| Formulation          | ENC-1 Antibody is supplied in PBS containing 0.02% sodium azide.   |
| Storage Instructions | ENC-1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Host                 | Chicken  |
| Uniprot ID           | O14682   |

### Technical Details

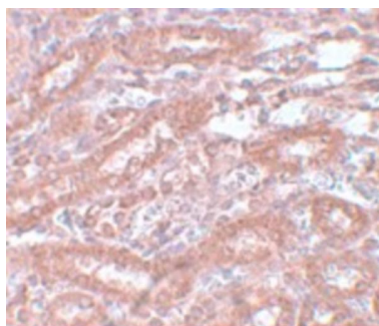
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| Immunogen           | ENC-1 antibody was raised against a 13 amino acid synthetic peptide near the center of human ENC-1. The immunogen is located within amino acids 230 - 280 of ENC-1.   |
| Isotype             | IgY   |
| Form                | Liquid  |
| Concentration       | 1 mg/mL   |
| Purification        | ENC-1 Antibody is affinity chromatography purified via peptide column.  |
| Suggested Dilutions | ENC-1 antibody can be used for detection of ENC-1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |



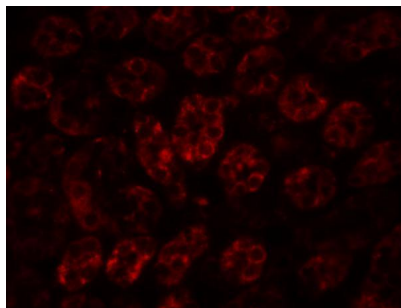
## Anti-ENC-1 Antibody (A07138) Images



Western blot analysis of ENC-1 in mouse kidney muscle tissue lysate with ENC-1 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of ENC-1 in rat kidney tissue with ENC-1 antibody at 5 ug/mL.



Immunofluorescence of ENC-1 in rat kidney tissue with ENC-1 antibody at 20 ug/mL.

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Anti-ENC-1 Antibody

For Research Use Only. Not for use in diagnostic procedures.