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Datasheet for 200-901-BA4

ENC-2 Antibody

Overview

Description:	Anti-ENC-2 (CHICKEN) Antibody - 200-901-BA4
Item No.:	200-901-BA4
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Chicken

Product Details

Background:	The ectoderm-neural cortex-2 (ENC-2) protein a member of the BTB/PDZ Kelch protein family displaying significant homology to ENC-1, an actin-binding protein involved in neural fate specification during embryogenesis and adipocyte maturation. The exact function of ENC-2 has yet to be determined, but it has been suggested to be involved in the differentiation of neuronal precursor cells into neurons and astrocytes.
Synonyms:	ENC-2 Antibody, ENC2, ENC-2, ENC2, Kelch-like protein 25, Ectoderm-neural cortex protein 2
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	KLHL25
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ENC-2 antibody was prepared from chicken egg fractions produced by repeated immunizations with a 14 amino acid synthetic peptide near the internal region of human ENC-2.
Purity/Specificity:	Anti-ENC-2 Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. Cross reactivity with ENC-2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9H0H3

- GeneID - 64410
- NCBI - AAV51405

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ENC-2 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 65 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

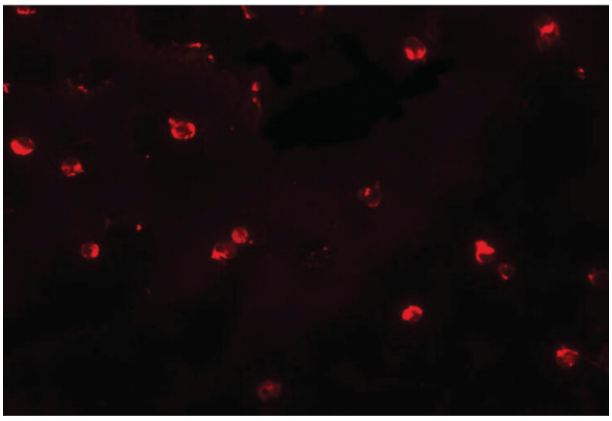
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

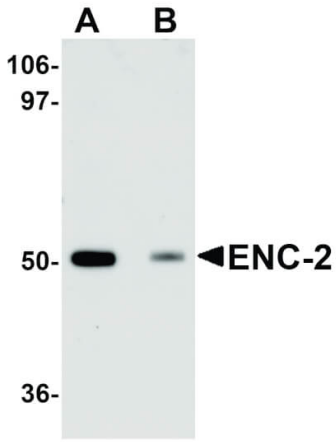
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of ENC-2 antibody. Tissue: Jurkat cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: ENC-2 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein chicken secondary antibody at 1:10,000 for 45 min at RT. Localization: ENC-2 is cytoplasmic. Staining: ENC-2 as red fluorescent signal.



Immunohistochemistry
Immunocytochemistry of ENC-2 antibody. Tissue: Jurkat cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ENC-2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase chicken secondary antibody at 1:10,000 for 45 min at RT. Localization: ENC-2 is cytoplasmic. Staining: ENC-2 as precipitated pink signal with blue counterstain.



Western Blot
Western Blot of ENC-2 antibody. Lane 1: Jurkat cell lysate with ENC-2 antibody at 1 µg/mL in the absence of blocking peptide. Lane 2: Jurkat cell lysate with ENC-2 antibody at 1 µg/mL in the presence of blocking peptide. Secondary antibody: Peroxidase chicken secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 65 kDa, 51 kDa for ENC-2. Other band(s): ENC-2 splice variants and isoforms.

Disclaimer

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