

Datasheet for 200-901-FA1**TCC52 Antibody****Overview**

Description:	Anti-TCC52 (CHICKEN) Antibody - 200-901-FA1
Item No.:	200-901-FA1
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Chicken

Product Details

Background:	Cancer-testis (CT) antigens are a type of antigen whose expression is highly restricted, primarily in normal testis, but aberrantly in different tumor types. Their immunogenicity in cancer patients makes them prime targets for immunotherapy of human tumors. One such CT antigen is TCC52, a novel centrosomal protein. TCC52 is a WD repeat-containing protein that interacts with the COP9 signalosome, a macromolecular complex that interacts with cullin-RING E3 ligases and regulates their activity by hydrolyzing cullin-Nedd8 conjugates. The normal biological function of this protein is not known at this time.
Synonyms:	TCC52 Antibody, CT102, TCC52, WDR40A, KIAA1892, DDB1- and CUL4-associated factor 12, Centrosome-related protein TCC52, Testis cancer centrosome-related protein, WD repeat-containing protein 40A
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	DCAF12
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TCC52 antibody was prepared from chicken egg fractions produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human TCC52.

Purity/Specificity: Anti-TCC52 Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. Cross reactivity with TCC52 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q5T6F0](#)
- [GeneID - 25853](#)
- [NCBI - NP_056212.1](#)

Application Details

Tested Applications: ELISA, IHC, WB

Application Note: Anti-TCC52 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 51 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

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: Wet Ice

Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

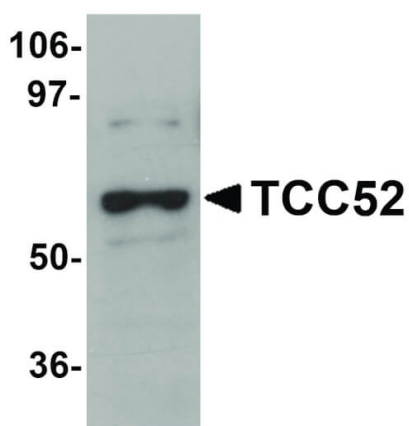
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunocytochemistry of TCC52 antibody. Tissue: 293 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TCC52 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase chicken secondary antibody at 1:10,000 for 45 min at RT. Localization: TCC52 is cytoplasmic. Staining: TCC52 as precipitated pink signal with blue counterstain.



Western Blot

Western Blot of TCC52 antibody. Lane 1: 293 cell lysate with TCC52 antibody at 1 µg/mL. Lane 2: 293 cell lysate with TCC52 antibody at 2 µg/mL. 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: 51 kDa, 55 kDa for TCC52. Other band(s): TCC52 splice variants and isoforms.

Disclaimer

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