

Datasheet for ABIN5518790  
**anti-TECTA antibody (N-Term)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	TECTA
Binding Specificity:	AA 93-134, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Alpha-tectorin(TECTA) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human TECTA (93-134aa RAFVAPFWADVHNGIRGEIYYRETMEPAILKRATKDIRKYFK), different from the related mouse sequence by three amino acids.
Sequence:	RAVAPFWAD VHNGIRGEIY YRETMEPAIL KRATKDIRKY FK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Alpha-tectorin(TECTA) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: tectorin alpha Protein Name: Alpha-tectorin

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: TECTA

Alternative Name: TECTA ([TECTA Products](#))

Background: Alpha-tectorin is a protein that in humans is encoded by the TECTA gene. The tectorial membrane is an extracellular matrix of the inner ear that contacts the stereocilia bundles of specialized sensory hair cells. Sound induces movement of these hair cells relative to the tectorial membrane, deflects the stereocilia, and leads to fluctuations in hair-cell membrane potential, transducing sound into electrical signals. Alpha-tectorin is one of the major noncollagenous components of the tectorial membrane. Mutations in the TECTA gene have been shown to be responsible for autosomal dominant nonsyndromic hearing impairment and a recessive form of sensorineural pre-lingual non-syndromic deafness.

Synonyms: Alpha-tectorin | DFNA12 | DFNA8 | DFNB21 | TECTA | O75443

Gene ID: 7007

UniProt: [O75443](#)

Pathways: [Sensory Perception of Sound](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

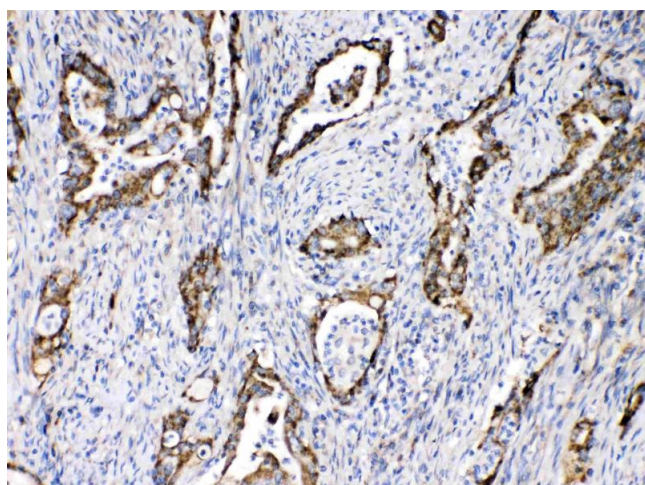
## Handling

Format: Lyophilized

## Handling

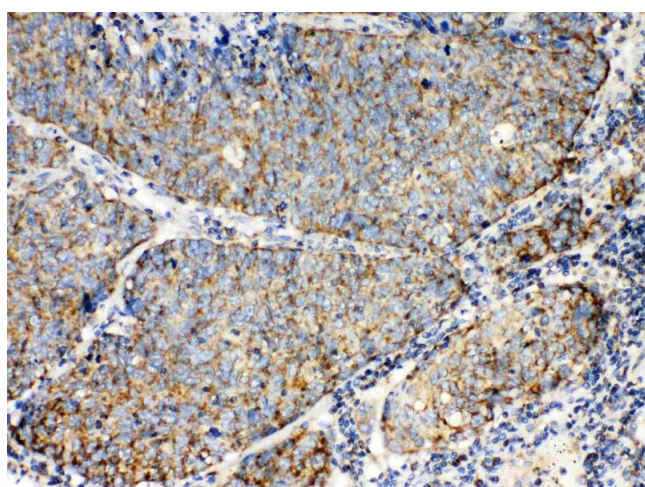
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



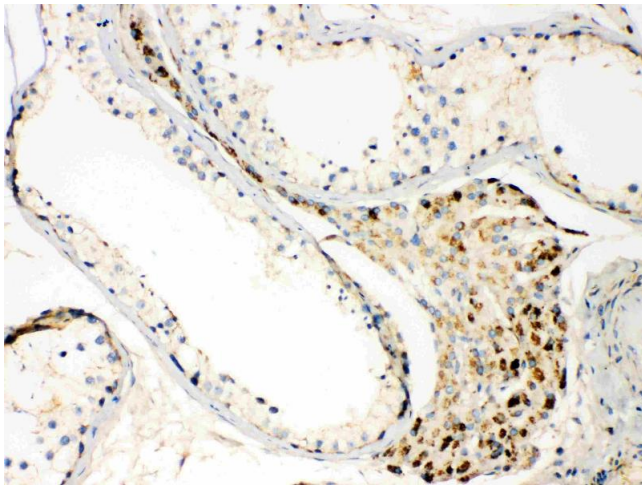
### Immunohistochemistry

**Image 1.** TECTA was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti-TECTA Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



### Immunohistochemistry

**Image 2.** TECTA was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti-TECTA Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



#### Immunohistochemistry

**Image 3.** TECTA was detected in paraffin-embedded sections of human testis tissues using rabbit anti- TECTA Antigen Affinity purified polyclonal antibody (Catalog # ) at 1  $\mu\text{g/mL}$ . The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5518790.