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anti-TECTA antibody (AA 93-134)





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Overview		
Quantity:	100 μg	
Target:	TECTA	
Binding Specificity:	AA 93-134	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
lmmunogen:	Amino acids 93-134 (RAFVAPFWADVHNGIRGEIYYRETMEPAILKRATKDIRKYFK) from human	
	Alpha Tectorin were used as the immunogen for the TECTA antibody.	
Isotype:	IgG	
Purification:	Antigen affinity purified	
Target Details		
Target:	TECTA	
Alternative Name:	TECTA (Alpha Tectorin) (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	

Target Details

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.

UniProt: 075443

Pathways: Sensory Perception of Sound

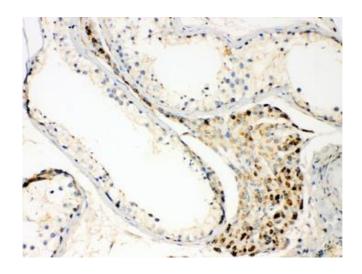
Application Details

Application Notes:	Optimal dilution of the TECTA antibody should be determined by the researcher.\. WB: 0.5-1 $\boldsymbol{\mu}$	
	g/mL,IHC (FFPE): 1-2 μg/mL	
Restrictions:	For Research Use only	

Handling

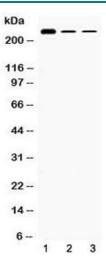
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water	
Storage:	-20 °C	
Storage Comment:	After reconstitution, the TECTA antibody can be stored for up to one month at 4°C. For long-	
	term, aliquot and store at -20°C. Avoid repeated freezing and thawing.	

Images



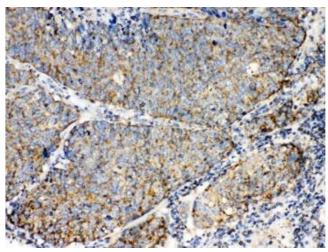
Immunohistochemistry

Image 1. IHC testing of FFPE human testis tissue with TECTA antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western Blotting

Image 2. Western blot testing of 1) rat testis, 2) mouse Hepa1-6 and 3) human HepG2 lysate with TECTA antibody at 0.5ug/ml. Predicted molecular weight: ~240 kDa.



Immunohistochemistry

Image 3. IHC testing of FFPE human lung cancer tissue with TECTA antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.