

Anti-TECTA Picoband Antibody

Catalog # ABO10262

Product Information

Application	WB, IHC-P
Primary Accession	O75443
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Alpha-tectorin(TECTA) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	7007
Other Names	Alpha-tectorin, TECTA
Calculated MW	239527
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Mouse, Rat
Subcellular Localization	Cell membrane ; Lipid-anchor, GPI-anchor ; Extracellular side . Secreted, extracellular space, extracellular matrix. Found in the non-collagenous matrix of the tectorial membrane. .
Source	Eukaryota
Protein Name	Alpha-tectorin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	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.

Protein Information

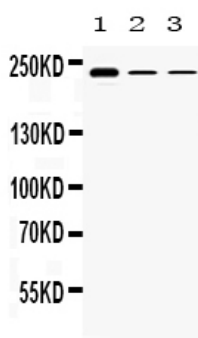
Name	TECTA
Function	One of the major non-collagenous components of the tectorial membrane (By similarity). The tectorial membrane is an extracellular matrix of the inner ear that covers the neuroepithelium of the cochlea and contacts the stereocilia bundles of specialized sensory hair cells. Sound induces 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.
Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor; Extracellular side. Secreted, extracellular space, extracellular matrix. Note=Found in the non- collagenous matrix of the tectorial membrane.

Background

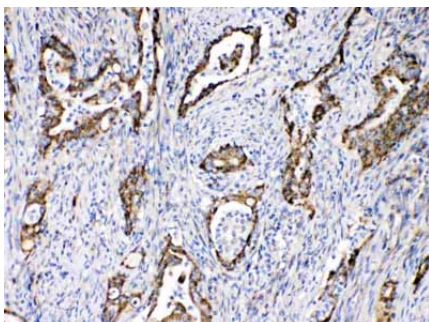
Alpha-tectorin is a protein that in humans is encoded by the TECTA gene. The tectorial membrane is an extracellular matrix of the inner ear that contacts the stereocilia bundles of specialized sensory hair cells. Sound induces movement of these hair cells relative to the tectorial membrane, deflects 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.

Images

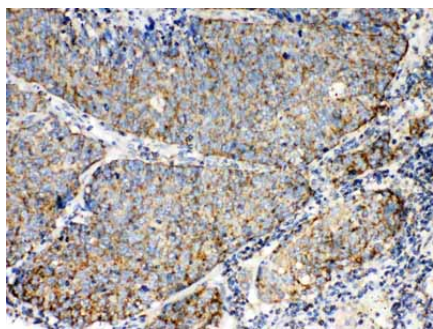


Western blot analysis of TECTA expression in rat testis extract (lane 1), HEPA1-6 whole cell lysates (lane 2) and HEPG2 whole cell lysates (lane 3). TECTA at 239KD was detected using rabbit anti- TECTA Antigen Affinity purified polyclonal antibody (Catalog #ABO10262) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

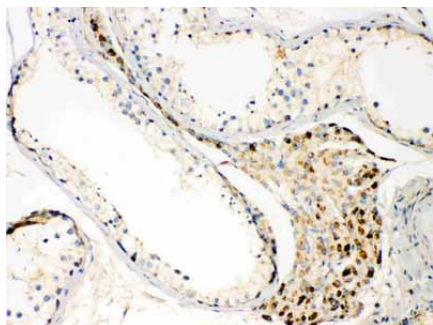


TECTA was detected in paraffin-embedded sections of human intetsinal cancer tissues using rabbit anti- TECTA Antigen Affinity purified polyclonal antibody (Catalog # ABO10262) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .

TECTA was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- TECTA



Antigen Affinity purified polyclonal antibody (Catalog # ABO10262) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



TECTA was detected in paraffin-embedded sections of human testis tissues using rabbit anti- TECTA Antigen Affinity purified polyclonal antibody (Catalog # ABO10262) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.