

ARG59307 anti-TECTA / Tectorin alpha antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TECTA / Tectorin alpha
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TECTA / Tectorin alpha
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 93-134 of Human TECTA / Tectorin alpha. (RAFVAPFWADVHNGIRGEIYYRETMEPAILKRATKDIRKYFK)
Conjugation	Un-conjugated
Alternate Names	DFNA12; DFNB21; Alpha-tectorin; DFNA8

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

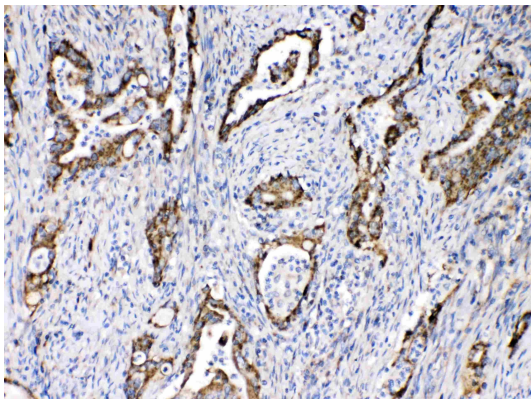
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

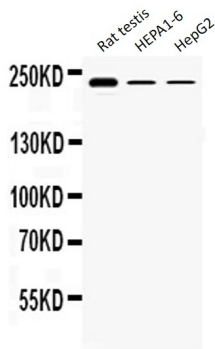
Gene Symbol	TECTA
Gene Full Name	tectorin alpha
Background	The tectorial membrane is an extracellular matrix of the inner ear that contacts the stereocilia bundles of specialized sensory hair cells. Sound induces movement of these hair cells relative to the tectorial membrane, deflects the stereocilia, 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. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	240 kDa
PTM	The presence of a hydrophobic C-terminus preceded by a potential cleavage site strongly suggests that tectorins are synthesized as glycosylphosphatidylinositol-linked, membrane-bound precursors. Tectorins are targeted to the apical surface of the inner ear epithelia by the lipid and proteolytically released into the extracellular compartment. [UniProt]
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Secreted, extracellular space, extracellular matrix. Note=Found in the non-collagenous matrix of the tectorial membrane. [UniProt]

Images



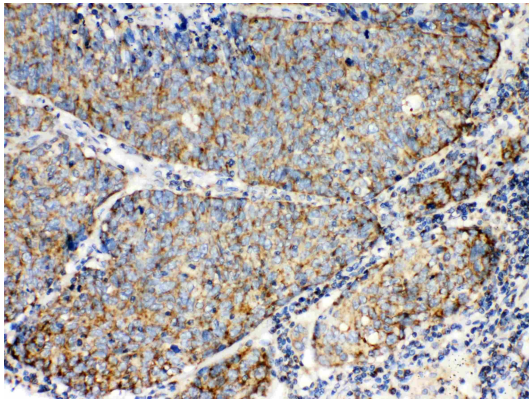
ARG59307 anti-TECTA / Tectorin alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer stained with ARG59307 anti-TECTA / Tectorin alpha antibody at 1 µg/ml dilution.



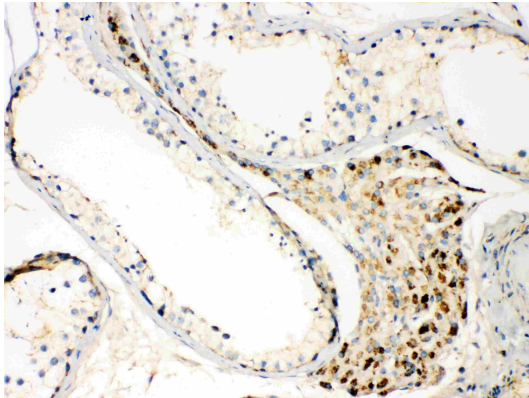
ARG59307 anti-TECTA / Tectorin alpha antibody WB image

Western blot: Rat testis, HEPA1-6 and HepG2 whole cell lysates stained with ARG59307 anti-TECTA / Tectorin alpha antibody at 0.5 µg/ml dilution.



ARG59307 anti-TECTA / Tectorin alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer stained with ARG59307 anti-TECTA / Tectorin alpha antibody at 1 μ g/ml dilution.



ARG59307 anti-TECTA / Tectorin alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis stained with ARG59307 anti-TECTA / Tectorin alpha antibody at 1 μ g/ml dilution.
