

VEZT Antibody

Catalog # ASC11849

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9HBM0
Other Accession	NP_060069 , 155030244
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	88665
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	VEZT antibody can be used for detection of VEZT by Western blot at 1 - 2 μ g/ml. Antibody can also be used for Immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	55591
Other Names	Vezatin, VEZT
Target/Specificity	VEZT; VEZT antibody is human, mouse and rat reactive. Multiple isoforms are known to exist.
Reconstitution & Storage	VEZT antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Precautions	VEZT Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VEZT
Function	Plays a pivotal role in the establishment of adherens junctions and their maintenance in adult life. Required for morphogenesis of the preimplantation embryo, and for the implantation process.
Cellular Location	Cell membrane; Multi-pass membrane protein. Cell projection, stereocilium membrane {ECO:0000250 UniProtKB:Q3ZK22}. Cell junction, adherens junction. Nucleus {ECO:0000250 UniProtKB:Q3ZK22}. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250 UniProtKB:Q3ZK22}

Background

Vezatin (VEZT) is a transmembrane protein which localizes to adherens junctions and binds to myosin VIIA and the cadherin-catenins complex (1). Expression of this gene in gastric cancer tissues is decreased due to hypermethylation of the promoter. Expression of this gene may also be inhibited by binding of a specific microRNA to a target sequence in the 3' UTR of the transcripts (2). VEZT has also been shown to be required for morphogenesis of the preimplantation mouse embryo (3).

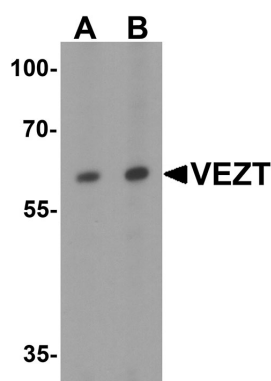
References

Kussel-Andermann P, El-Amraoui A, Safieddine S, et al. Vezatin, a novel transmembrane protein, bridges myosin VIIA to the cadherin-catenins complex. *EMBO J.* 2000; 19:6020-9.

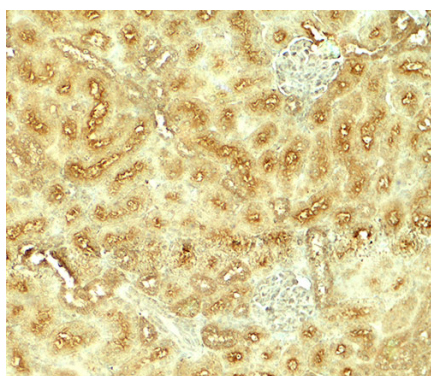
Guo X, Jing C, Zhang L, et al. Down-regulation of VEZT gene expression in human gastric cancer involves promoter methylation and miR-43c. *Biochem. Biophys. Res. Commun.* 2011; 404:622-7.

Hyenne V, Louvet-Vallee S, El-Amraoui A, et al. Vezatin, a protein associated to adherins junctions, is required for mouse blastocyst morphogenesis. *Dev. Biol.* 2005; 287:180-91.

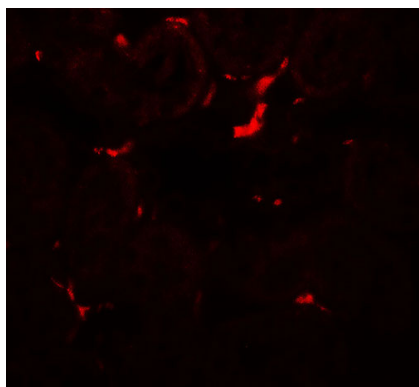
Images



Western blot analysis of VEZT in 293 cell lysate with VEZT antibody at (A) 1 and (B) 2 μ g/ml.



Immunohistochemistry of VEZT in rat kidney tissue with VEZT antibody at 5 μ g/ml.



Immunofluorescence of TRIP12 in rat colon tissue with TRIP12 antibody at 20 μ g/ml.

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