

Rabbit anti-Human ARHGEF9 Polyclonal Antibody | anti-ARHGEF9 antibody

Anti-ARHGEF9 Antibody, Rabbit Polyclonal

CATALOG # AAA256874	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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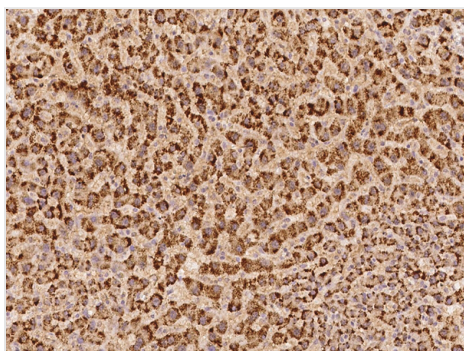
PRODUCT SYNONYMS

ARHGEF9; Polyclonal Antibody; Anti-ARHGEF9 Antibody; Rabbit Polyclonal; ARHGEF9 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-COLLYBISTIN Antibody; Anti-EIEE8 Antibody; Anti-HPEM-2 Antibody; Anti-PEM-2 Antibody; Anti-PEM2 Antibody; Anti-RP11-357C3.4 Antibody; anti-ARHGEF9 antibody

PRODUCT SPECIFICATIONS

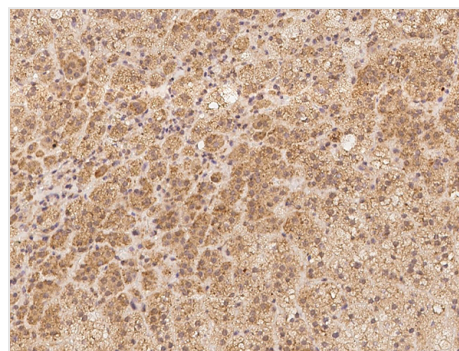
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ARHGEF9
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-ARHGEF9 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human ARHGEF9 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human ARHGEF9 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human ARHGEF9 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human ARHGEF9 in human adrenal gland with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-ARHGEF9 antibody	Proper function of GABAergic synapses depends upon the postsynaptic compartment anchoring of neurotransmitter receptors to the membrane by gephyrin and collybistin (Cb). In humans, collybistin is encoded by ARHGEF9 on Xq11.1. Collybistin is a guanine nucleotide exchange factor for Rho family GTPases that is crucial in gephyrin clustering and GABA _A receptor localization. Collybistin can regulate actin cytoskeletal dynamics and may also modulate GABAergic and glycinergic neurotransmission through binding of a scaffolding protein, gephyrin, at the synapse. ARHGEF9 plays an essential role in the mammalian brain. ARHGEF9 mutations have been identified in patients with heterogeneous phenotypes, including epilepsy of variable severity and intellectual disability.
References	Marco EJ, et al. (2009) Arhgef9 disruption in a female patient is associated with x linked mental retardation and sensory hyperarousal. BMJ Case Rep 2009 Alber M, et al. (2017) Arhgef9 disease: Phenotype clarification and genotype-phenotype correlation. Neurol Genet 3 (3): e148.Aarabi M, et al. (2019) Autism spectrum disorder in females with arhgef9 alterations and a random pattern of x chromosome inactivation. Eur J Med Genet 62 (4): 239-242.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/arhgef9-antibody-immunohistochemistry-elisa/256874>