

Datasheet for ABIN543513
anti-Arhgef9 antibody (AA 281-311)[Go to Product page](#)[2 Images](#)[3 Publications](#)

Overview

Quantity:	400 µL
Target:	Arhgef9
Binding Specificity:	AA 281-311
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Arhgef9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of Arhgef9.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to amino acids 281-311 at internal region of rat Arhgef9.
Cross-Reactivity:	Human, Rat

Target Details

Target:	Arhgef9
Alternative Name:	ARHGEF9 (Arhgef9 Products)
Gene ID:	66013
Pathways:	Neurotrophin Signaling Pathway

Application Details

Application Notes:	Western Blot (1:1000) Immunohistochemistry (1:10-50) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	In PBS (0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

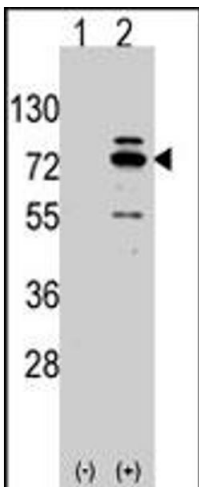
Publications

Product cited in:	<p>Xiang, Kim, Connelly, Nassar, Kirsch, Winking, Schwarz, Schindelin: "The crystal structure of Cdc42 in complex with collybistin II, a gephyrin-interacting guanine nucleotide exchange factor." in: Journal of molecular biology, Vol. 359, Issue 1, pp. 35-46, (2006) (PubMed).</p> <p>Harvey, Duguid, Aldred, Beatty, Ward, Keep, Lingenfelter, Pearce, Lundgren, Owen, Smart, Lüscher, Rees, Harvey: "The GDP-GTP exchange factor collybistin: an essential determinant of neuronal gephyrin clustering." in: The Journal of neuroscience : the official journal of the Society for Neuroscience, Vol. 24, Issue 25, pp. 5816-26, (2004) (PubMed).</p> <p>Grosskreutz, Hermann, Kins, Fuhrmann, Betz, Kneussel: "Identification of a gephyrin-binding motif in the GDP/GTP exchange factor collybistin." in: Biological chemistry, Vol. 382, Issue 10, pp. 1455-62, (2001) (PubMed).</p>
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Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with Arhgef9 polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of Arhgef9 (arrow) using rabbit Arhgef9 polyclonal antibody . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Arhgef9 gene (Lane 2) (Origene Technologies).