

Product datasheet for **TA357571**

Arhgef4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Mouse Arhgef4
Specificity:	Expected reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat Homology: Cow: 79%; Dog: 93%; Guinea Pig: 92%; Horse: 86%; Human: 100%; Mouse: 86%; Rabbit: 100%; Rat: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	57kDa
Gene Name:	Rho guanine nucleotide exchange factor (GEF) 4
Database Link:	NP_898840 Entrez Gene 226970 Mouse Q7TNR9



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Background:

Arhgef4 acts as guanine nucleotide exchange factor (GEF) for RHOA, RAC1 and CDC42 GTPases. Binding of APC may activate RAC1 GEF activity. The APC-ARHGEF4 complex seems to be involved in cell migration as well as in E-cadherin-mediated cell-cell adhesion. By similarity, it is required for MMP9 up-regulation via the JNK signaling pathway in colorectal tumor cells. Arhgef4 is involved in tumor angiogenesis and may play a role in intestinal adenoma formation and tumor progression.

Synonyms:

ASEF; ASEF1; GEF4; KIAA1112; STM6

Product images:

Host: Rabbit
Target Name: Arhgef4
Sample Type: Mouse Testis lysates
Antibody Dilution: 1.0ug/ml