

ARG54732 anti-14-3-3 gamma antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes 14-3-3 gamma
Tested Reactivity	Hu, Ms
Predict Reactivity	Bov, Rat, Chk, Xenopus
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	14-3-3 gamma
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 136-164 (Center) of Human 14-3-3 gamma (NP_036611.2).
Conjugation	Un-conjugated
Alternate Names	14-3-3 protein gamma; PPP1R170; 14-3-3GAMMA; KCIP-1; Protein kinase C inhibitor protein 1

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse cerebellum	

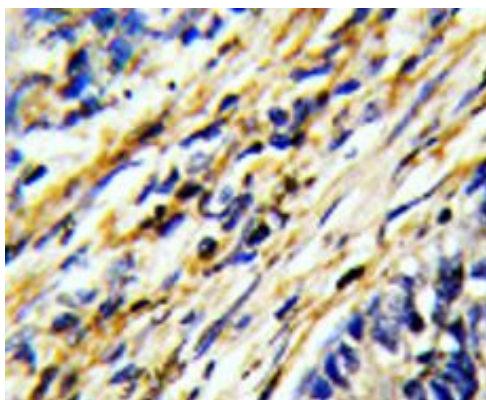
Properties

Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
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

Database links	GeneID: 22628 Mouse GeneID: 7532 Human Swiss-port # P61981 Human Swiss-port # P61982 Mouse
Gene Symbol	YWHAG
Gene Full Name	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma
Background	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the rat ortholog. It is induced by growth factors in human vascular smooth muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways. [provided by RefSeq, Jul 2008]
Function	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. [From Uniprot]
Research Area	Cancer antibody; Developmental Biology antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	28 kDa
PTM	Phosphorylated by various PKC isozymes.
Cellular Localization	Cytoplasm.

Images

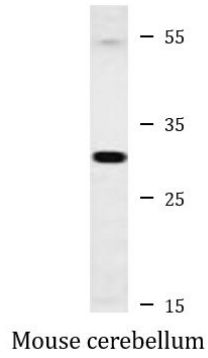


ARG54732 anti-14-3-3 gamma antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon carcinoma stained with ARG54732 anti-14-3-3 gamma antibody.

ARG54732 anti-14-3-3 gamma antibody WB image

Western blot: 35 µg of Mouse cerebellum lysate stained with ARG54732 anti-14-3-3 gamma antibody.



ARG54732 anti-14-3-3 gamma antibody FACS image

Flow Cytometry: WiDr cells stained with ARG54732 anti-14-3-3 gamma antibody (bottom histogram) or without primary antibody control (top histogram).

