ARG57137
anti-14-3-3 gamma antibody [4B9]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4B9] recognizes 14-3-3 gamma
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	4B9
Isotype	IgG1, kappa
Target Name	14-3-3 gamma
Species	Human
Immunogen	Recombinant fragment around aa. 1-247 of Human 14-3-3 gamma
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
ICC/IF	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.

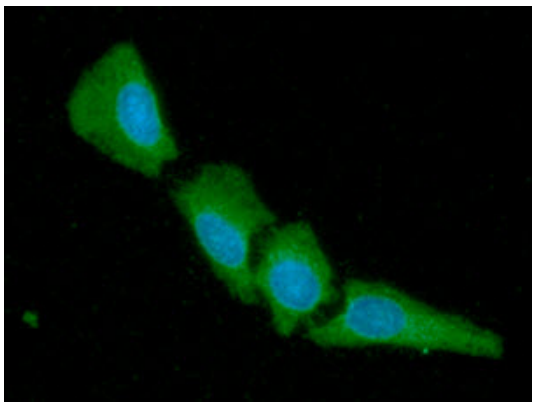
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
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. 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: 7532 Human Swiss-port # P61981 Human
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. [UniProt]
Calculated Mw	28 kDa
PTM	Phosphorylated by various PKC isozymes.

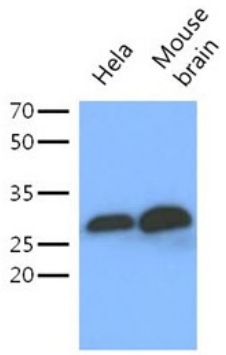
Images



ARG57137 anti-14-3-3 gamma antibody [4B9] ICC/IF image

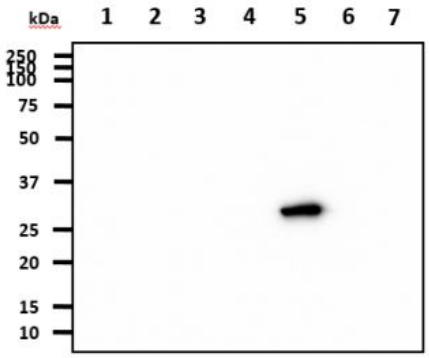
Immunofluorescence: HeLa cells line stained with ARG57137 anti-14-3-3 gamma antibody [4B9] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



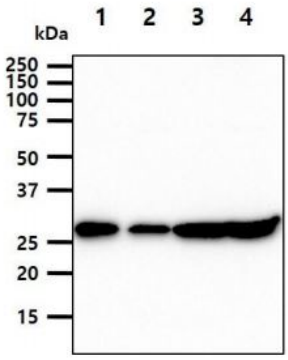
ARG57137 anti-14-3-3 gamma antibody [4B9] WB image

Western blot: 40 µg of HeLa cell and Mouse brain lysates stained with ARG57137 anti-14-3-3 gamma antibody [4B9] at 1:1000.



ARG57137 anti-14-3-3 gamma antibody [4B9] WB image

Western blot: 50 ng of Human 1) YWHAZ, 2) YWHAB, 3) YWHAE, 4) YWHAH, 5) YWHAG, 6) SFN, and 7) YWHAQ recombinant proteins stained with ARG57137 anti-14-3-3 gamma antibody [4B9] at 1:1000.



ARG57137 anti-14-3-3 gamma antibody [4B9] WB image

Western blot: 40 µg of 1) 293T, 2) A431, 3) K562, and 4) NIH3T3 cell lysates stained with ARG57137 anti-14-3-3 gamma antibody [4B9] at 1:1000.