Datasheet for ABIN652428

anti-14-3-3 zeta antibody (AA 65-93)

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Overview

Quantity:	400 µL
Target:	14-3-3 zeta (YWHAZ)
Binding Specificity:	AA 65-93
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 14-3-3 zeta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This YWHAZ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 65-93 amino acids from the Central region of human YWHAZ.
Clone:	RB22149
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, Rat, Sh
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	14-3-3 zeta (YWHAZ)

Target Details

Alternative Name:	YWHAZ (YWHAZ Products)
Background:	YWHAZ 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 99 % identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Two transcript variants differing in the 5' UTR, but encoding the same protein, have been identified for the gene. Both variants encode the same protein, however, they are differentially expressed in hematopoietic cells.
Molecular Weight:	27745
Gene ID:	7534
NCBI Accession:	NP_001129171, NP_001129172, NP_001129173, NP_001129174, NP_003397, NP_663723
UniProt:	P63104
Pathways:	Apoptosis, Hormone Transport, Myometrial Relaxation and Contraction, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Synaptic Membrane, Production of Molecular Mediator of Immune Response, Maintenance of Protein Location

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

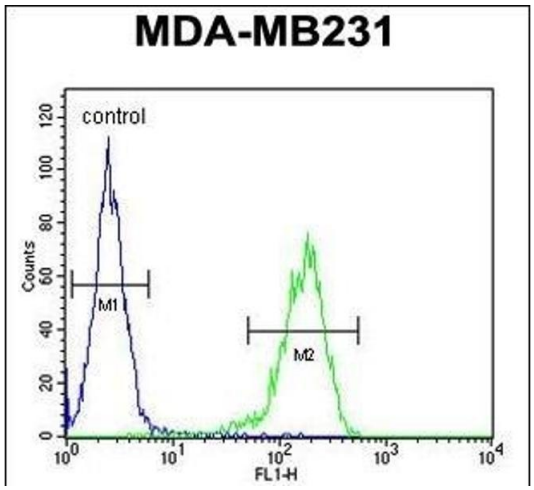
Handling

Expiry Date:	6 months

Publications

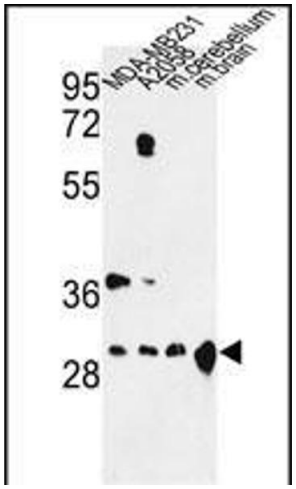
Product cited in:	Chang, Nam, Kook, Kim, Liu, Yao, Jung, Lemos, Seo, Park, Gim, Hong, Huh, Kim, Tan, Liu, Powis, Park, Liang, Kim: "HNF4? is a therapeutic target that links AMPK to WNT signalling in early-stage gastric cancer." in: **Gut**, (2014) (PubMed).

Images



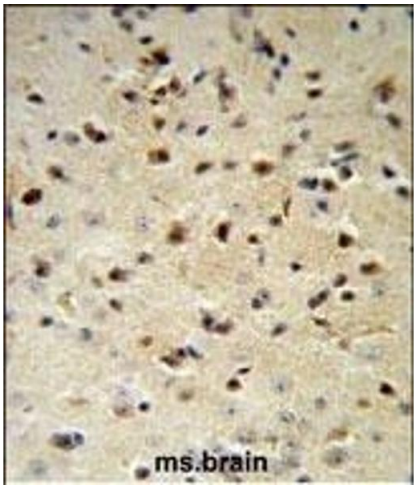
Flow Cytometry

Image 1. YWHAZ Antibody (Center) (ABIN652428 and ABIN2842220) flow cytometric analysis of MDA-M cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of YWHAZ Antibody (Center) (ABIN652428 and ABIN2842220) in MDA-M, cell line and mouse cerebellum, brain tissue lysates (35 µg/lane). YWHAZ (arrow) was detected using the purified Pab.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. YWHAZ Antibody (Center) (ABIN652428 and ABIN2842220) IHC analysis in formalin fixed and paraffin embedded mouse brain followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the YWHAZ Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.