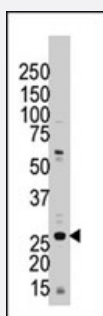


YWHAZ polyclonal antibody

Catalog # PAB4027

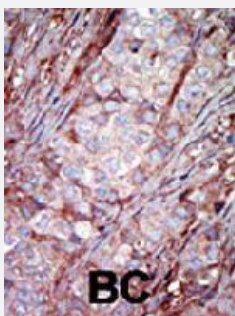
Size 400 uL

Applications



Western Blot (Cell lysate)

The YWHAZ polyclonal antibody (Cat # PAB4027) is used in Western blot to detect YWHAZ in Jurkat cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with YWHAZ polyclonal antibody (Cat # PAB4027), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of YWHAZ.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human YWHAZ.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

The YWHAZ polyclonal antibody (Cat # PAB4027) is used in Western blot to detect YWHAZ in Jurkat cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — YWHAZ

Entrez GeneID	7534
Protein Accession#	P29312
Gene Name	YWHAZ
Gene Alias	KCIP-1, MGC111427, MGC126532, MGC138156
Gene Description	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
Omim ID	601288
Gene Ontology	Hyperlink

Gene Summary

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 99% identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene. [provided by RefSeq]

Other Designations

14-3-3 protein/cytosolic phospholipase A2|14-3-3 zeta|OTTHUMP00000165851|OTTHUMP00000165852|OTTHUMP00000165854|OTTHUMP00000165858|OTTHUMP00000165859|OTTHUMP00000165860|phospholipase A2|protein kinase C inhibitor protein-1|tyrosine 3/tryptophan 5 -monooxygenase

Publication Reference

- [Proteomic identification of 14-3-3zeta as a mitogen-activated protein kinase-activated protein kinase 2 substrate: role in dimer formation and ligand binding.](#)

Powell DW, Rane MJ, Joughin BA, Kalmukova R, Hong JH, Tidor B, Dean WL, Pierce WM, Klein JB, Yaffe MB, McLeish KR. Molecular and Cellular Biology 2003 Aug; 23(15):5376.

Application: WB, Human, Neutrophils, Recombinant protein

- [The interaction between ADAM 22 and 14-3-3zeta: regulation of cell adhesion and spreading.](#)

Zhu P, Sun Y, Xu R, Sang Y, Zhao J, Liu G, Cai L, Li C, Zhao S. Biochemical and Biophysical Research Communications 2003 Feb; 301(4):991.

- [Regulation of TSC2 by 14-3-3 binding.](#)

Li Y, Inoki K, Yeung R, Guan KL. The Journal of Biological Chemistry 2002 Nov; 277(47):44593.

Application: WB-Tr, Human, HEK 293 cells

Pathway

- [Cell cycle](#)
- [Neurotrophin signaling pathway](#)
- [Pathogenic Escherichia coli infection - EHEC](#)

Disease

- [Alzheimer disease](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)