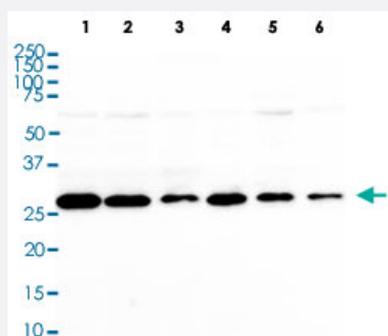


YWHAQ monoclonal antibody, clone AT1A1

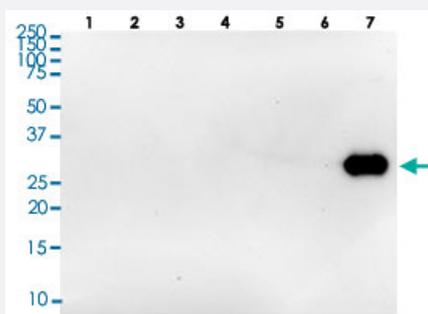
Catalog # MAB2098 Size 100 uL

Applications



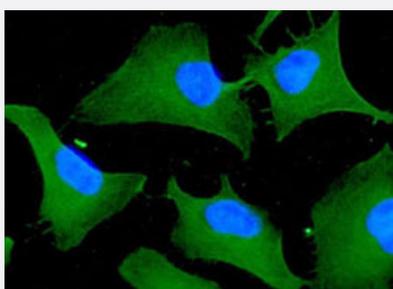
Western Blot (Cell lysate)

Western blot analysis of Lane 1: MDA-MB-21 cell lysate, Lane 2: HeLa cell lysate, Lane 3: A431 cell lysate, Lane 4: NIH3T3 cell lysate, Lane 5: 293T cell lysate, Lane 6: HepG2 cell lysate.



Western Blot (Recombinant protein)

Western blot analysis of Lane 1: Recombinant Human YWHAZ, Lane 2: Recombinant Human YWHAB, Lane 3: Recombinant Human YWHAE, Lane 4: Recombinant Human YWHAH, Lane 5: Recombinant Human YWHAG, Lane 6: Recombinant Human SFN, Lane 7: Recombinant Human YWHAQ.



Immunofluorescence

Immunofluorescence analysis of HeLa cells. The cell was stained with YWHAQ monoclonal antibody, clone AT1A1 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant YWHAQ.
Immunogen	Recombinant protein corresponding to amino acids 1-245 of human YWHAQ.

Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°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)

Western blot analysis of Lane 1: MDA-MB-21 cell lysate, Lane 2: HeLa cell lysate, Lane 3: A431 cell lysate, Lane 4: NIH3T3 cell lysate, Lane 5: 293T cell lysate, Lane 6: HepG2 cell lysate.

- Western Blot (Recombinant protein)

Western blot analysis of Lane 1: Recombinant Human YWHAZ, Lane 2: Recombinant Human YWHAB, Lane 3: Recombinant Human YWHAE, Lane 4: Recombinant Human YWHAH, Lane 5: Recombinant Human YWHAG, Lane 6: Recombinant Human SFN, Lane 7: Recombinant Human YWHAQ.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of HeLa cells. The cell was stained with YWHAQ monoclonal antibody, clone AT1A1 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — YWHAQ

Entrez GeneID	10971
Protein Accession#	NP_006817
Gene Name	YWHAQ
Gene Alias	14-3-3, 1C5, HS1
Gene Description	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide
Omim ID	609009
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 and rat orthologs. This gene is upregulated in patients with amyotrophic lateral sclerosis. It contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic, however, there is no correlation between the repeat number and the disease. [provided by RefSeq]
Other Designations	14-3-3 protein T-cell 14-3-3 protein tau 14-3-3 protein theta OTTHUMP00000015730 protein tau tyrosine 3/tryptophan 5 -monooxygenase activation protein, theta polypeptide

Publication Reference

- [Activation-modulated association of 14-3-3 proteins with Cbl in T cells.](#)
 Liu YC, Elly C, Yoshida H, Bonnefoy-Berard N, Altman A.
 The Journal of Biological Chemistry 1996 Jun; 271(24):14591.
 Application: WB-Ce, Human, Jurkat cells
- [Structure of a 14-3-3 protein and implications for coordination of multiple signalling pathways.](#)
 Xiao B, Smerdon SJ, Jones DH, Dodson GG, Soneji Y, Aitken A, Gamblin SJ.
 Nature 1995 Jul; 376(6536):188.
 Application: WB-Ce, WB-Tr, Human, Mammalian cells

Pathway

- [Cell cycle](#)
- [Neurotrophin signaling pathway](#)

- [Pathogenic Escherichia coli infection - EHEC](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)