

Mouse anti-Human 14-3-3 eta/YWHAH Monoclonal Antibody | anti-YWHAH antibody

Anti-14-3-3 eta/YWHAH Antibody, Mouse Monoclonal

CATALOG # AAA255224	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

14-3-3 eta/YWHAH; Monoclonal Antibody; Anti-14-3-3 eta/YWHAH Antibody; Mouse Monoclonal; 14-3-3 eta/YWHAH Antibody; Mouse MAb; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein; eta; Anti-YWHA1 Antibody; anti-YWHAH antibody

PRODUCT SPECIFICATIONS

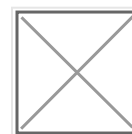
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	06
Specificity	Human 14-3-3 eta/YWHAH. No cross-reactivity in ELISA with E Coli cell lysate
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-YWHAH antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human 14-3-3 eta/YWHAH protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human 14-3-3 eta/YWHAH (rh 14-3-3 eta/YWHAH). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

YWHAH was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate; Lane B: 0.5 mg K562 Whole Cell Lysate; 2 uL anti-YWHAH mouse monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-YWHAH mouse monoclonal antibody, at 1:500 dilution. Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 28 kDa. Observed band size: 28 kDa.



WB (Western Blot)

Anti-YWHAH mouse monoclonal antibody at 1:500 dilution. Lane A: U937 Whole Cell Lysate; Lane B: 293T Whole Cell Lysate; Lane C: Jurkat Whole Cell Lysate; Lane D: K562 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Mouse IgG H&L (DyLight800) at 1/15000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 28 kDa. Observed band size: 30 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-YWHAH antibody	YWHAH, the gene encoding the 14-3-3eta isoform, is highly expressed in retinal ganglion cells (RGC). YWHAH is a positional and functional candidate gene for both schizophrenia and bipolar disorder (BP). It is located on chromosome 22q12.3, a region that has been implicated by linkage studies in both BP and schizophrenia.
Product Categories/Family for anti-YWHAH antibody	phospho-Serine/phospho-Threonine Binding Proteins Adaptor Proteins Apoptosis Adaptor Proteins ; Death Receptor Signaling
References	Wakui H, et al. (1997) Interaction of the ligand-activated glucocorticoid receptor with the 14-3-3 eta protein. J Biol Chem. 272(13): 8153-6.Toyooka K, et al. (2002) Isolation and structure of the mouse 14-3-3 eta chain gene and the distribution of 14-3-3 eta mRNA in the mouse brain. Brain Res Mol Brain Res. 100(1-2): 13-20.Kim YS, et al. (2005) Role of 14-3-3 eta as a positive regulator of the glucocorticoid receptor transcriptional activation. Endocrinology. 146(7): 3133-40.Grover D, et al. (2009) Family-based association of YWHAH in psychotic bipolar disorder. Am J Med Genet B Neuropsychiatr Genet. 150B(7): 977-83.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507951
NCBI GeneID	7533
NCBI Accession #	NP_003396.1
NCBI GenBank Nucleotide #	NM_003405.3
UniProt Accession #	Q04917
Molecular Weight	28,219 Da
NCBI Official Full Name	14-3-3 protein eta
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide
NCBI Official Symbol	YWHAH
NCBI Official Synonym Symbols	YWHA1
NCBI Protein Information	14-3-3 protein eta; 14-3-3 eta
UniProt Protein Name	14-3-3 protein eta
UniProt Gene Name	YWHAH
UniProt Synonym Gene Names	YWHA1
UniProt Entry Name	1433F_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/14-3-3-eta-ywhah-antibody-clone-06-immunoprecipitation-western-blot-elisa/255224>