

Mouse 14-3-3E/Tryptophan 5-Monooxygenase Monoclonal Antibody | anti-YWHAE antibody

14-3-3E/Tryptophan 5-Monooxygenase

CATALOG # AAA214833	HOST Mouse	REACTIVITY Human. Others not tested.	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

14-3-3E/Tryptophan 5-Monooxygenase; Monoclonal Antibody; MDS; epididymis luminal protein 2; mitochondrial import stimulation factor (MSF) L subunit; Mitochondrial import stimulation factor L subunit; MSF L; protein kinase C inhibitor protein-1; anti-YWHAE antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	CPTC-YWHAE-1
Specificity	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathway. 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. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. The YWHAE gene which encodes 14-3-3E has also been identified as a possible susceptibility gene for schizophrenia.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	143
Applicable Applications for anti-YWHAE antibody	WB (Western Blot)
Immunogen	Recombinant human full-length YWHAE protein
Positive Control	HEK-293 or A-431 cell lines.
Cellular Localization	Cytoplasm. Melanosome.
Chromosome Location	17p13.3
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using 14-3-3E Mouse Monoclonal Antibody (CPTC-YWHAE-1). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Testis stained with 14-3-3E Mouse Monoclonal Antibody (CPTC-YWHAE-1).

ADDITIONAL INFORMATION

References	Ikedo, Masashi, and Takao Hikita. OUP Academic, Oxford University Press, 24 July 200
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17530965
NCBI GeneID	124323
NCBI Accession #	NP_511172.1
NCBI GenBank Nucleotide #	NM_078617.3
UniProt Accession #	P62268; P39028
Molecular Weight	29.4kDa
NCBI Official Full Name	40S ribosomal protein S23
NCBI Official Synonym Full Names	ribosomal protein S23
NCBI Official Symbol	Rps23
NCBI Protein Information	40S ribosomal protein S23
UniProt Protein Name	40S ribosomal protein S23
UniProt Gene Name	Rps23

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/14-3-3e-tryptophan-5-monooxygenase-antibody-clone-cptc-ywhae-1-western-blot-elisa/214833>