

Rabbit YWHAE Polyclonal Antibody | anti-YWHAE antibody

YWHAE antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201668	Rabbit	Dog, Guinea Pig, Mouse, Zebrafish	Western Blot

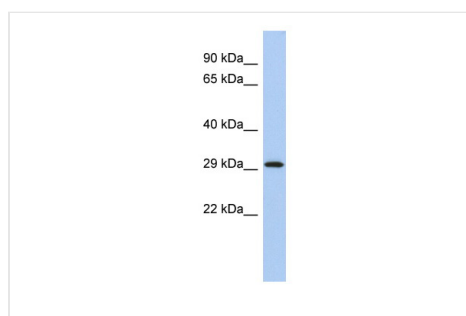
PRODUCT SYNONYMS

YWHAE; Polyclonal Antibody; YWHAE antibody - middle region; anti-YWHAE antibody

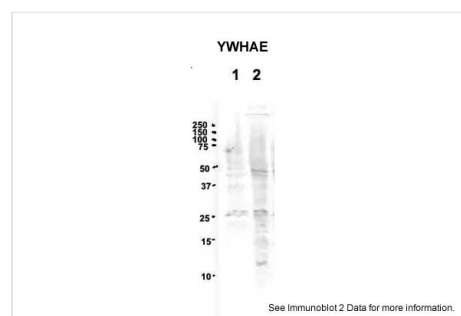
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Dog, Guinea Pig, Mouse, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: EL DTLSEESYKD STLIMQLLRD NLTLWTSDMQ GDGEEQNKEA LQDVEDEN
Sequence Length	255
Applicable Applications for anti-YWHAE antibody	WB (Western Blot)
Homology	Dog: 100%; Guinea Pig: 100%; Mouse: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human YWHAE
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-YWHAE Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:12500
Positive Control: Human Spleen


WB (Western Blot)

Sample Type: Human NT-2, mouse brain extracts
Sample Type: 1. Human NT-2 cells (60ug)
2. mouse brain extracts (80ug)
Primary Antibody Dilution: 2ug/mL
Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience
Secondary Antibody Dilution: 1:20,000
Image Submitted by: Yuzhi Chen
University of Arkansas for Medical Science

ADDITIONAL INFORMATION

Related Product Information for anti-YWHAE antibody	This is a rabbit polyclonal antibody against YWHAE. It was validated on Western Blot using a cell lysate as a positive control. Target Description: YWHAE is an adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathway. YWHAE binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. The binding generally results in the modulation of the activity of the binding partner.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 100% identical to the mouse ortholog. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-YWHAE antibody	Polyclonal; Signal Transduction; Various; DNA/RNA/Protein Interactions; Cell Cycle; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803225
NCBI GeneID	7531
NCBI Accession #	NP_006752
NCBI GenBank Nucleotide #	NM_006761
UniProt Accession #	P62258
Molecular Weight	29kDa
NCBI Official Full Name	14-3-3 protein epsilon
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon
NCBI Official Symbol	YWHAE
NCBI Official Synonym Symbols	MDS; HEL2; MDCR; KCIP-1; 14-3-3E
NCBI Protein Information	14-3-3 protein epsilon
UniProt Protein Name	14-3-3 protein epsilon
UniProt Gene Name	YWHAE
UniProt Synonym Gene Names	14-3-3E
UniProt Entry Name	1433E_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.