YWHAG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	YWHAG, Polyclonal Antibody
Full Product Name	YWHAG (Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein, gamma Polypeptide, 14-3-3GAMMA) (MaxLight 550)
Product Gene Name	anti-YWHAG antibody
Product Synonym Names	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein; gamma Polypeptide; 14-3-3GAMMA
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified
Specificity	Recognizes human YWHAG.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo the original vial prior to removing the cap.
Molecular Weight	28,303 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (75956108..75988342, complement). Location: 7q11.23
OMIM	605356
3D Structure	ModBase 3D Structure for P61981
Immunogen	YWHAG (NP_036611.2, 1aa-247aa) full-length human protein.
Immunogen Sequence	MVDREQLVQKARLAEQAERYDDM MKNVTELNEPLSNEERNLLSVAYKNVVGARRSSWRVISSIEQKTSADGNEKKIEMVRAYREKIEKELEAVCQDVLSLLDNYLIKNCSETQYESKVFYLKMK
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-YWHAG antibody	Antibodies; 14-3-3
Applications Tested/Suitable for anti-YWHAG antibody	Western Blot (WB)
Application Notes for anti-YWHAG antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-YWHAG antibody	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This high muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shov
Other Notes	Small volumes of anti-YWHAG antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece may apply.
Searchable Terms for YWHAG purchase	MBS6451835 is an antibody targeting YWHAG. Also known as YWHAG (Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for YWHAG. It may not necessarily be applicable to this product.

NCBI GI #	21464101
NCBI GeneID	7532
NCBI Accession #	NP_036611.2
UniProt Primary Accession #	P61981
UniProt Secondary Accession #	O70457; P35214; Q6FH52; Q9UDP2; Q9UN99
UniProt Related Accession #	P61981
GenBank Nucleotide #	NM_012479.3
NCBI Official Full Name	14-3-3 protein gamma
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide
NCBI Official Symbol	YWHAG
NCBI Official Synonym Symbols	14-3-3GAMMA
UniProt Protein Name	14-3-3 protein gamma
UniProt Synonym Protein Names	Protein kinase C inhibitor protein 1
Protein Family	14-3-3 protein
UniProt Gene Name	YWHAG
UniProt Synonym Gene Names	KCIP-1
UniProt Entry Name	1433G_HUMAN
NCBI Protein Information	14-3-3 protein gamma; KCIP-1; 14-3-3 gamma; protein kinase C inhibitor protein 1

UniProt Comments for YWHAG	14-3-3 gamma: Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. 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. Homodimer. Interacts with SAMSN1. Interacts with RAF1, SSH1 and CRTC2/TORC2. Interacts with ABL1 (phosphorylated form); the interaction retains it in the cytoplasm. Interacts with GAB2. Interacts with MDM4 (phosphorylated); negatively regulates MDM4 activity toward TP53. Interacts with PKA-phosphorylated AANAT. Highly expressed in brain, skeletal muscle, and heart. Belongs to the 14-3-3 family. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 7q11.23 Cellular Component: focal adhesion; cytoplasmic vesicle membrane; membrane; cytosol Molecular Function: protein domain specific binding; protein kinase C inhibitor activity; insulin-like growth factor receptor binding; protein binding; protein kinase C binding; receptor tyrosine kinase binding Biological Process: cellular response to insulin stimulus; apoptosis; regulation of neuron differentiation; organelle organization and biogenesis; regulation of signal transduction; regulation of synaptic plasticity; negative regulation of protein kinase activity; mitotic cell cycle; G2/M transition of mitotic cell cycle; protein targeting
Research Articles on YWHAG	**1.** The peripheral binding of 14-3-3gamma to membranes involves isoform-specific histidine residues.
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