

YWHAH Protein, Human (GST)

Cat. No.:	HY-P71682
Synonyms:	14-3-3 protein eta; Brain protein 14-3-3; eta isoform; HGNC:12853; Protein AS1; YWHA 1; YWHA1; Ywhah
Species:	Human
Source:	E. coli
Accession:	Q04917 (R4-N246)
Gene ID:	7533
Molecular Weight:	Approximately 54.9 kDa

PROPERTIES

AA Sequence	<pre> R E Q L L Q R A R L A E Q A E R Y D D M A S A M K A V T E L N E P L S N E D R N L L S V A Y K N V V G A R R S S W R V I S S I E Q K T M A D G N E K K L E K V K A Y R E K I E K E L E T V C N D V L S L L D K F L I K N C N D F Q Y E S K V F Y L K M K G D Y Y R Y L A E V A S G E K K N S V V E A S E A A Y K E A F E I S K E Q M Q P T H P I R L G L A L N F S V F Y Y E I Q N A P E Q A C L L A K Q A F D D A I A E L D T L N E D S Y K D S T L I M Q L L R D N L T L W T S D Q Q D E E A G E G N </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The YWHAH protein functions as an adapter implicated in the regulation of a broad spectrum of both general and specialized signaling pathways, recognizing phosphoserine or phosphothreonine motifs to bind with numerous partners. This binding typically leads to the modulation of the activity of the interacting partner. YWHAH negatively regulates the kinase activity of PDPK1 and exists as a homodimer. It interacts with various nuclear hormone receptors and cofactors, including AR, ESR1, ESR2, MC2R, NR3C1, NR1P1, PPARBP, and THRA. Additionally, it interacts with ABL1 in its phosphorylated form, retaining it in the cytoplasm, and weakly interacts with CDKN1B. Other interactions involve ARHGEF28, CDK16, GAB2,</p>
-------------------	---

KCNK18 (in a phosphorylation-dependent manner), SAMSN1, the 'Ser-241' phosphorylated form of PDPK1, the 'Thr-369' phosphorylated form of DAPK2, PI4KB, TBC1D22A, TBC1D22B, SLITRK1, and MEFV. These diverse interactions underscore the multifaceted role of YWHAH in various cellular processes and signaling pathways.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA