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Ywhag antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10188

Product Information

Application	WB
Primary Accession	P61982
Other Accession	NM_018871, NP_061359
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Zebrafish, Chicken, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28303

Additional Information

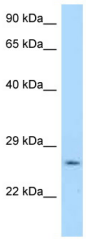
Gene ID	22628
Alias Symbol	14-3-3gamma, D7Bwg1348e
Other Names	14-3-3 protein gamma, 14-3-3 protein gamma, N-terminally processed, Ywhag
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Ywhag antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Ywhag antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Ywhag {ECO:0000312|MGI:MGI:108109}
Function	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. Promotes inactivation of WDR24 component of the GATOR2 complex by binding to phosphorylated WDR24 (By similarity). Participates in the positive regulation of NMDA glutamate receptor activity by promoting the L-glutamate secretion through interaction with BEST1 (PubMed:29121962). Reduces keratinocyte intercellular adhesion, via interacting with PKP1 and sequestering it in the cytoplasm, thereby reducing its incorporation into desmosomes (By similarity). Plays a role in mitochondrial protein catabolic

	process (also named MALM) that promotes the degradation of damaged proteins inside mitochondria (By similarity).
Cellular Location	Cytoplasm, cytosol. Mitochondrion matrix {ECO:0000250|UniProtKB:P61981}. Note=Translocates to the mitochondrial matrix following induction of MALM (mitochondrial protein catabolic process). {ECO:0000250|UniProtKB:P61981}
Tissue Location	Expressed in dorsal skin (at protein level).

Images



WB Suggested Anti-Ywhag Antibody
Titration: 1. µg/ml
Positive Control: Mouse Brain