

Datasheet for ABIN2792143
anti-14-3-3 eta antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	14-3-3 eta (YWHAH)
Binding Specificity:	N-Term
Reactivity:	Human, Rabbit, Zebrafish (Danio rerio), Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 14-3-3 eta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human YWHAH
Sequence:	ADGNEKKLEK VKAYREKIEK ELETVCNDVL SLLDKFLIKN CNDFQYESKV
Predicted Reactivity:	Dog: 100%, Human: 100%, Rabbit: 100%, Zebrafish: 78%
Characteristics:	This is a rabbit polyclonal antibody against YWHAH. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	14-3-3 eta (YWHAH)
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Target Details

Alternative Name:	YWHAH (YWHAH Products)
Background:	<p>The YWHAH 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 99 % identical to the mouse, rat and bovine orthologs. This gene contains a 7 bp repeat sequence in its 5' UTR, and changes in the number of this repeat have been associated with early-onset schizophrenia. 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 99 % identical to the mouse, rat and bovine orthologs. This gene contains a 7 bp repeat sequence in its 5' UTR, and changes in the number of this repeat have been associated with early-onset schizophrenia. 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.</p> <p>Alias Symbols: YWHA1</p> <p>Protein Interaction Partner: DTL, HUWE1, ABL1, SIK3, SUMO2, IRS4, CBL, UBC, UBFD1, EIF5, TBCB, CAPNS1, ALDH7A1, UBE2R2, ISOC1, FERMT2, YWHAQ, PDIA4, YWHAZ, YWHAG, YWHAH, XPO1, VCL, SNRPD2, PCYT2, PTMA, PAK2, PAFAH1B1, MYO1E, HNRNPK, HMGB3, GSS, GNAI3, G6PD, PPP1CA, MARK3, LRRK2, SAV1</p> <p>Protein Size: 246</p>
Molecular Weight:	28 kDa
Gene ID:	7533
NCBI Accession:	NM_003405 , NP_003396
UniProt:	Q04917
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , C21-Steroid Hormone Metabolic Process , Myometrial Relaxation and Contraction

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 246 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

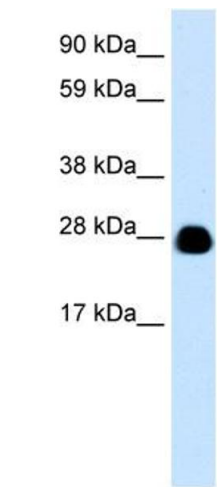
Publications

Product cited in:	<p>Adeosun, Albert, Austin, Iyo: "17β-estradiol-induced regulation of the novel 5-HT1A-related transcription factors NUDR and Freud-1 in SH SY5Y cells." in: Cellular and molecular neurobiology, Vol. 32, Issue 4, pp. 517-21, (2012) (PubMed).</p> <p>Szewczyk, Albert, Rogaeva, Fitzgibbon, May, Rajkowska, Miguel-Hidalgo, Stockmeier, Woolverton, Kyle, Wang, Austin: "Decreased expression of Freud-1/CC2D1A, a transcriptional repressor of the 5-HT1A receptor, in the prefrontal cortex of subjects with major depression." in: The international journal of neuropsychopharmacology / official scientific journal of the Collegium Internationale Neuropsychopharmacologicum (CINP), Vol. 13, Issue 8, pp. 1089-101, (2010) (PubMed).</p> <p>Szewczyk, Albert, Burns, Czesak, Overholser, Jurjus, Meltzer, Konick, Dieter, Herbst, May, Rajkowska, Stockmeier, Austin: "Gender-specific decrease in NUDR and 5-HT1A receptor proteins in the prefrontal cortex of subjects with major depressive disorder." in: The international journal of neuropsychopharmacology / official scientific journal of the Collegium Internationale Neuropsychopharmacologicum (CINP), Vol. 12, Issue 2, pp. 155-68, (2009) (PubMed).</p> <p>Cordeaux, Pasupathy, Bacon, Charnock-Jones, Smith: "Characterization of serotonin receptors in pregnant human myometrium." in: The Journal of pharmacology and experimental</p>
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therapeutics, Vol. 328, Issue 3, pp. 682-91, (2009) ([PubMed](#)).

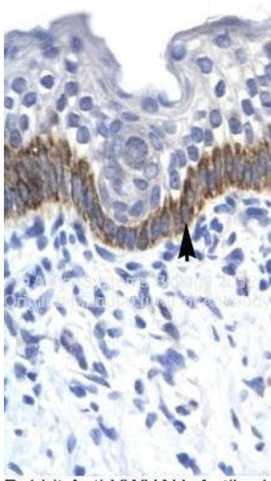
lyo, Kieran, Chandran, Albert, Wicks, Bissette, Austin: "Differential regulation of the serotonin 1 A transcriptional modulators five prime repressor element under dual repression-1 and nuclear-deformed epidermal autoregulatory factor by chronic stress." in: **Neuroscience**, Vol. 163, Issue 4, pp. 1119-27, (2009) ([PubMed](#)).

Images



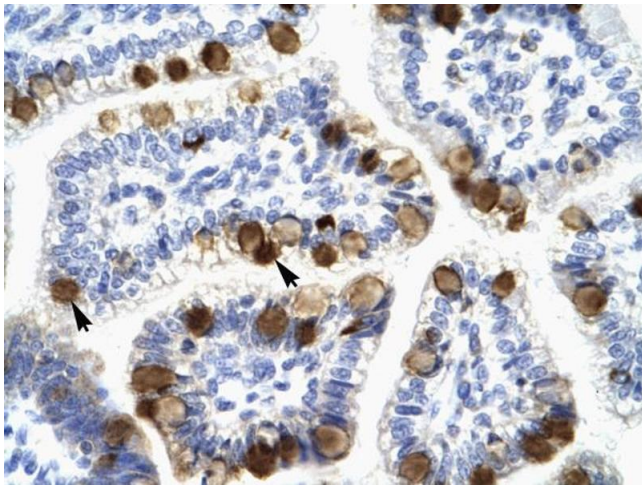
Western Blotting

Image 1. WB Suggested Anti-YWHAH Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human brain



Immunohistochemistry

Image 2. WB Suggested Anti-YWHAH Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human brain



Immunohistochemistry

Image 3. Human Intestine