

Datasheet for ABIN272265
anti-YWHAE antibody



[Go to Product page](#)

2 Images

2 Publications

Overview

Quantity:	0.1 mg
Target:	YWHAE
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YWHAE antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of 14-3-3 ϵ protein. (region surrounding Asp238)
Cross-Reactivity (Details):	Species reactivity (expected): Mouse and Rat. Species reactivity (tested): Human.
Purification:	Affinity Chromatography using epitope-specific immunogen

Target Details

Target:	YWHAE
Alternative Name:	14-3-3 Protein epsilon (YWHAE Products)
Background:	14-3-3 proteins regulate many cellular processes relevant to cancer biology, notably apoptosis, mitogenic signaling and cell-cycle checkpoints. Seven isoforms comprise this family of signaling intermediates, denoted 14-3-3 β , γ , ϵ , ζ , η , θ and σ . 14-3-3 proteins form dimers that

Target Details

present two binding sites for ligand proteins, thereby bringing together two proteins that may not otherwise associate. These ligands largely share a 14-3-3 consensus binding motif and exhibit serine/threonine phosphorylation. 14-3-3 proteins function in broad regulation of these ligand proteins, by cytoplasmic sequestration, occupation of interaction domains and import/export sequences, prevention of degradation, activation/repression of enzymatic activity and facilitation of protein modification, and thus loss of expression contributes to a vast array of pathogenic cellular activities. Synonyms: 14-3-3E, YWHAE

Molecular Weight: approx. 29 kDa

Gene ID: 7531

NCBI Accession: [NP_006752](#)

UniProt: [P62258](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Myometrial Relaxation and Contraction](#), [M Phase](#)

Application Details

Application Notes: ELISA: 1: 20000 approx. 1: 40000. WB: 1: 500 approx. 1: 1000.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Phosphate buffered saline (PBS), pH ~7.2, 0.05 % Sodium Azide

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 freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8° for one month or (in aliquots) at -20 °C for longer.

Publications

Product cited in: Hu, Sun, Li, Wang, Cai, Li, Zhao: "In Ovo injection of betaine affects hepatic cholesterol metabolism through epigenetic gene regulation in newly hatched chicks." in: **PLoS ONE**, Vol. 10 , Issue 4, pp. e0122643, (2016) ([PubMed](#)).

Nagappan, Park, Park, Hong, Yumnam, Lee, Kim, Kim, Lee, Lee, Cho, Lee, Won, Cho, Kim: " Helicobacter pylori infection combined with DENA revealed altered expression of p53 and 14-3-3 isoforms in Gulo-/- mice." in: **Chemico-biological interactions**, Vol. 206, Issue 2, pp. 143-52, (2013) ([PubMed](#)).

Images

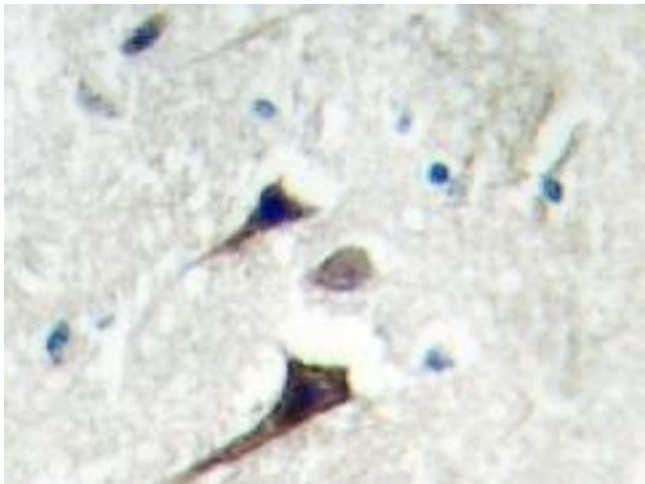


Image 1.

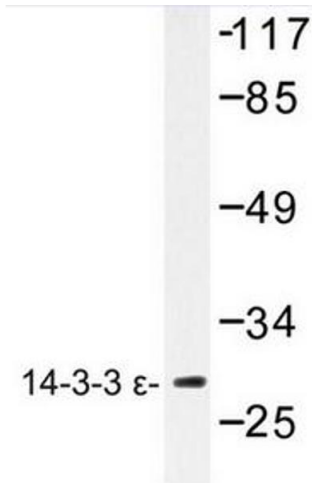


Image 2.