

## **Product datasheet for AP20467PU-S**

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## 14 3 3 eta (YWHAH) Rabbit Polyclonal Antibody

**Product data:** 

**Product Type:** Primary Antibodies

**Applications:** IF, IHC, WB

Recommended Dilution: Western Blot: 1/500-1/1000.

Immunofluorescence: 1/50-1/200.

**Immunohistochemistry on Paraffin Sections:** 1/50-1/200.

Reactivity: Human, Mouse, Rat

**Host:** Rabbit

Clonality: Polyclonal

**Immunogen:** Synthetic peptide, corresponding to amino acids 50-100 of Human 14-3-3 η.

**Specificity:** This antibody detects endogenous levels of 14-3-3 theta protein.

(region surrounding Lys81)

Formulation: Phosphate Buffered Saline (PBS), pH~7.2

State: Aff - Purified

State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)

Preservative: 0.05% Sodium Azide

Concentration: 1.0 mg/ml

**Purification:** Affinity Chromatography using epitope-specific immunogen

**Conjugation:** Unconjugated

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

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

Predicted Protein Size: ~28 kDa

**Gene Name:** tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein eta

Database Link: Entrez Gene 22629 MouseEntrez Gene 25576 RatEntrez Gene 7533 Human

Q04917





**Background:** 14-3-3 eta (YWHAH) belongs to the 14-3-3 family of proteins which mediate signal

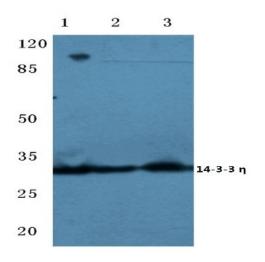
transduction by binding to phosphoserine or phosphothreonine-containing proteins. YWHAH is an adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. It binds to a large number of partners and binding generally results in the modulation of the activity of the binding partner. The YWHAH gene contains a 7 bp repeat sequence in its 5' UTR, and changes in the number of this repeat has been associated with early-onset schizophrenia.

Synonyms: Protein AS1, YWHAH, YWHA1

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis

## **Product images:**



Western blot analysis of 14-3-3 eta antibody at 1/500 dilution: Lane 1: MCF-7 cell lysate. Lane 2: sp2/0 cell lysate. Lane 3: H9C2 cell lysate.