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Product datasheet for AP06768PU-M

14-3-3 theta (YWHAQ) 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 30-80 of Human 14-3-3 θ.
Specificity:	This antibody detects endogenous levels of 14-3-3 θ protein. (region surrounding Gln67)
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 theta
Database Link:	Entrez Gene 10971 Human P27348

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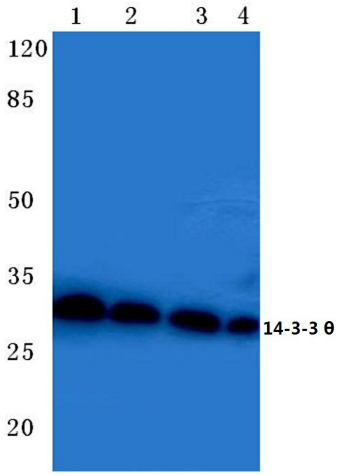
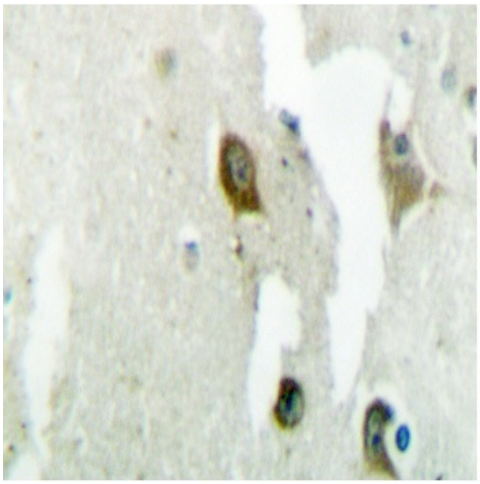
Background: 14-3-3 proteins regulate many cellular processes relevant to cancer biology,notably apoptosis, mitogenic signaling and cell-cycle checkpoints. Seven isoforms comprise this family of signaling intermediates, denoted 14-3-3 β, γ, ε, ζ, η, θ and σ. 14-3-3 proteins form dimers that present two 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: 14-3-3 protein tau, 14-3-3 protein T-cell, YWHAQ, Protein HS1

Product images:



Western blot (WB) analysis of 14-3-3 ?¸ antibody at 1/500 dilution Lane 1:MCF-7 cell lysate Lane 2:Hela cell lysate Lane 3:sp2/0 cell lysate Lane 4:Rat liver tissue lysate



Immunohistochemistry analsyis of 14-3-3 protein theta Antibody in Paraffin Embedded Human brain tissue