

## Product datasheet for **TA322852**

### 14-3-3 beta (YWHAB) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: HT-29, 293T and Hela cells, Mouse brain tissue IHC: 25-100 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 4-18 amino acids of Human Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28 kDa
Gene Name:	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein beta
Database Link:	<a href="#">NP_003395</a> <a href="#">Entrez Gene 54401 Mouse</a> <a href="#">Entrez Gene 56011 Rat</a> <a href="#">Entrez Gene 7529 Human</a> <a href="#">P31946</a>



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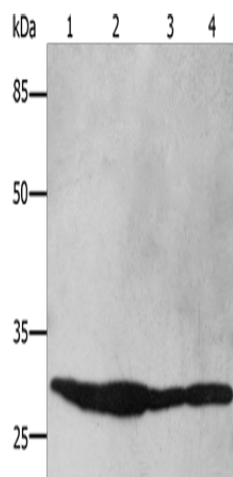
**Background:** This gene encodes a protein belonging to the 14-3-3 family of proteins; members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases; suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants; which encode the same protein; have been identified for this gene.

**Synonyms:** GW128; HEL-S-1; HS1; KCIP-1; YWHAA

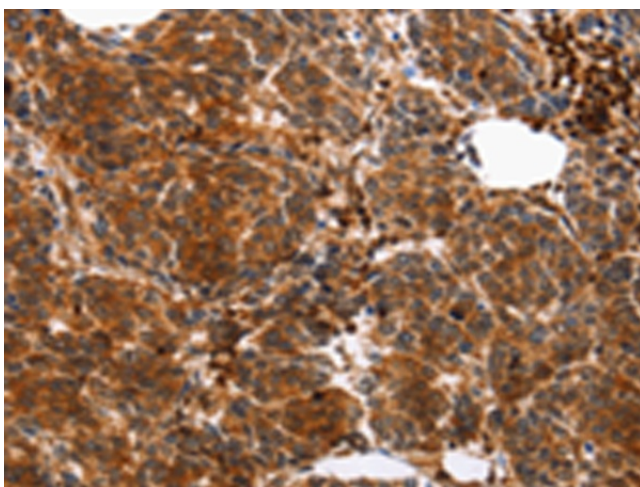
**Protein Families:** Druggable Genome

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

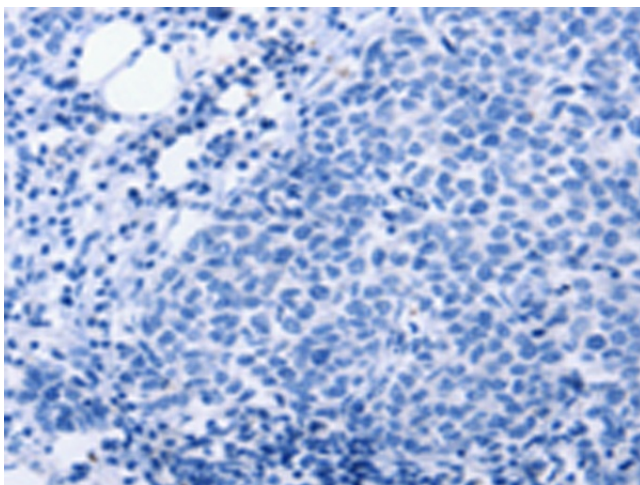
### Product images:



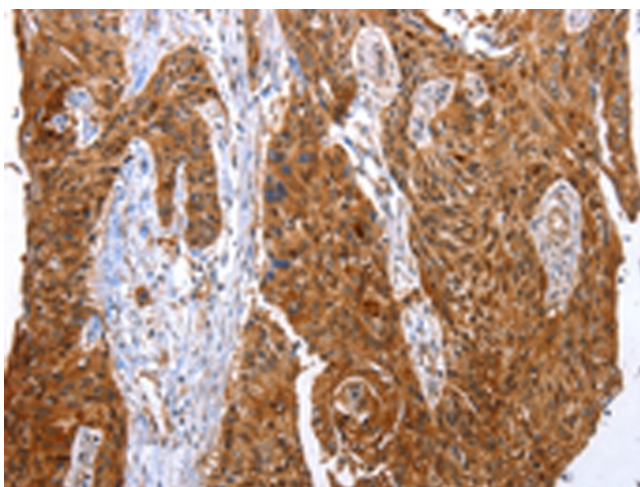
Gel: 10%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane 1-4: HT29 cells  
293T cells  
HeLa cells  
Mouse brain tissue  
Primary antibody: TA322852 (YWHAB Antibody)  
at dilution 1/250  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 1 second



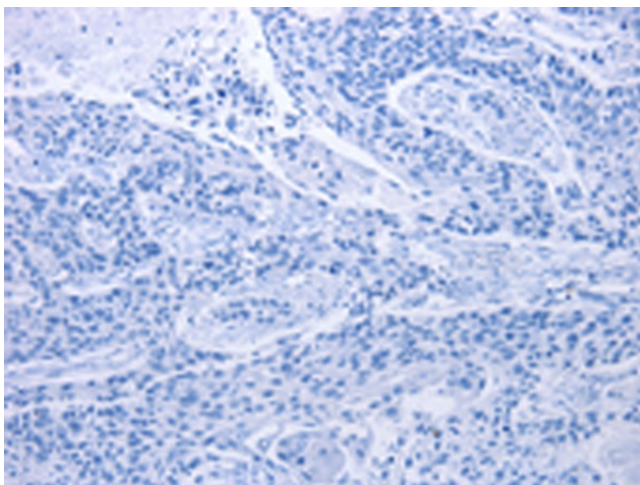
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322852 (YWHAB Antibody) at dilution 1/10 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322852 (YWHAB Antibody) at dilution 1/10, treated with synthetic peptide. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA322852 (YWHAB Antibody) at dilution 1/10 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA322852 (YWHAB Antibody) at dilution 1/10, treated with synthetic peptide. (Original magnification: x200)