

## Product datasheet for **TA322703S**

### AKAP7 Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | IHC, WB   |
| Recommended Dilution: | WB: 200-1000<br>WB positive control: Human bladder carcinoma tissue<br>IHC: 15-50<br>Positive control: Human brain<br>Predicted cell location: Cytoplasm  |
| Reactivity:           | Human   |
| Host:                 | Rabbit  |
| Isotype:              | IgG   |
| Clonality:            | Polyclonal  |
| Immunogen:            | Fusion protein corresponding to N terminal 104 amino acids of human A kinase (PRKA) anchor protein 7  |
| Formulation:          | PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol  |
| Purification:         | Antigen affinity purification   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at -20°C as received.   |
| Stability:            | Stable for 12 months from date of receipt.  |
| Gene Name:            | A-kinase anchoring protein 7  |
| Database Link:        | <a href="#">NP_004833</a><br><a href="#">Entrez Gene 9465 Human</a><br><a href="#">O43687</a>   |
| Background:           | This gene encodes a member of the A-kinase anchoring protein (AKAP) family, a group of functionally related proteins that bind to a regulatory subunit (RII) of cAMP-dependent protein kinase A (PKA) and target the enzyme to specific subcellular compartments. AKAPs have a common RII-binding domain, but contain different targeting motifs responsible for directing PKA to distinct intracellular locations. Three alternatively spliced transcript variants encoding different isoforms have been described.[ |

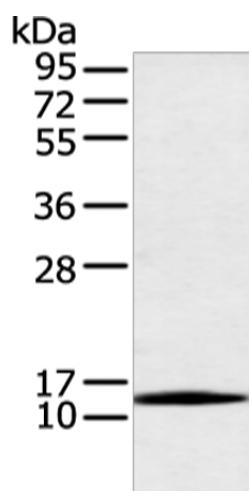


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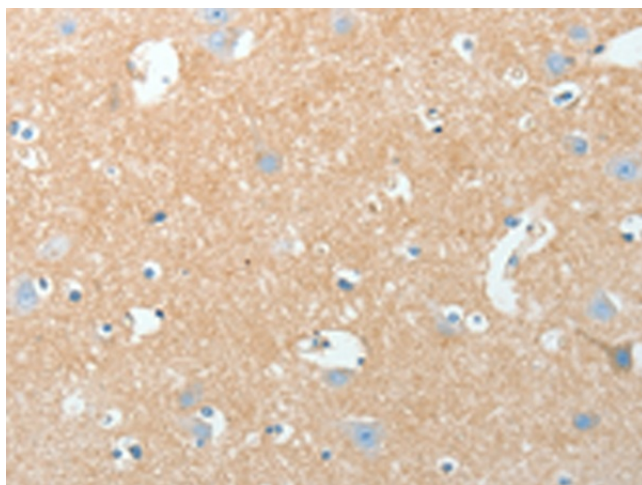
Synonyms: AKAP15; AKAP18

Protein Families: Druggable Genome

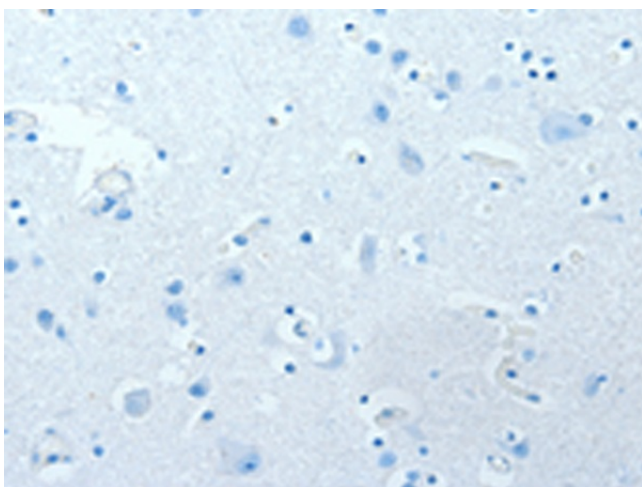
### Product images:



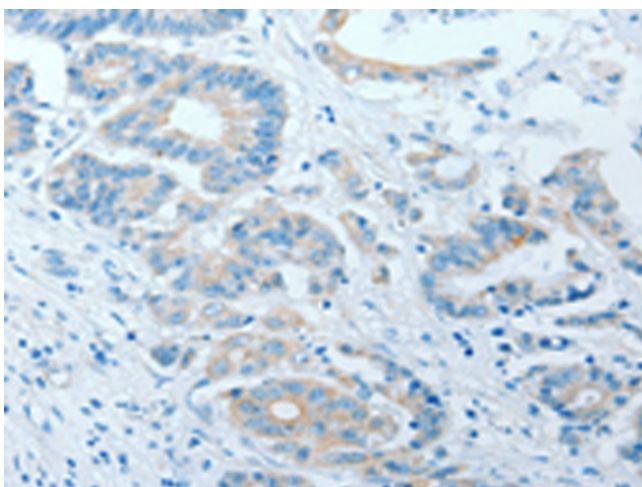
Gel: 12%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: Human bladder carcinoma tissue  
Primary antibody: [TA322703] (AKAP7 Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 30 seconds



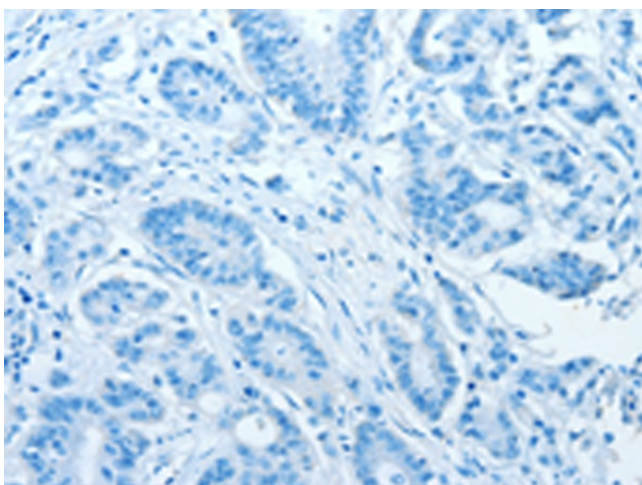
Immunohistochemistry of paraffin-embedded Human brain tissue using [TA322703] (AKAP7 Antibody) at dilution 1/15 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA322703] (AKAP7 Antibody) at dilution 1/15, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA322703] (AKAP7 Antibody) at dilution 1/15 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA322703] (AKAP7 Antibody) at dilution 1/15, treated with fusion protein. (Original magnification:  $\times 200$ )