

## Product datasheet for **TA322092**

### ACY3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse kidney and rat kidney tissue IHC: 50-200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
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:	35 kDa
Gene Name:	aminoacylase 3
Database Link:	<a href="#">NP_542389</a> <a href="#">Entrez Gene 71670 Mouse</a> <a href="#">Entrez Gene 91703 Human</a> <a href="#">Q96HD9</a>



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**Background:**

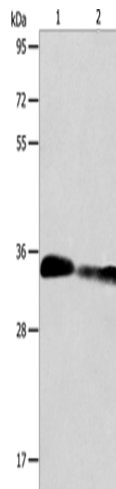
Acy3, which encodes a deduced 318-amino acid protein with a calculated molecular mass of about 35.2 kD. Acy3 has no membrane domain, but it contains consensus sites for N-glycosylation, tyrosine sulfation, tyrosine and threonine phosphorylation, and myristoylation. Northern blot analysis detected high expression of an approximately 1.4-kb Acy3 transcript in kidney, followed by liver. Weaker expression was detected in heart, small intestine, brain, lung, testis, and stomach. Testis expressed an additional transcript of about 2.2 kb.

**Synonyms:**

ACY-3; HCBP1

**Protein Pathways:**

Alanine, aspartate and glutamate metabolism, Histidine metabolism

**Product images:**

Gel: 10%SDS-PAGE

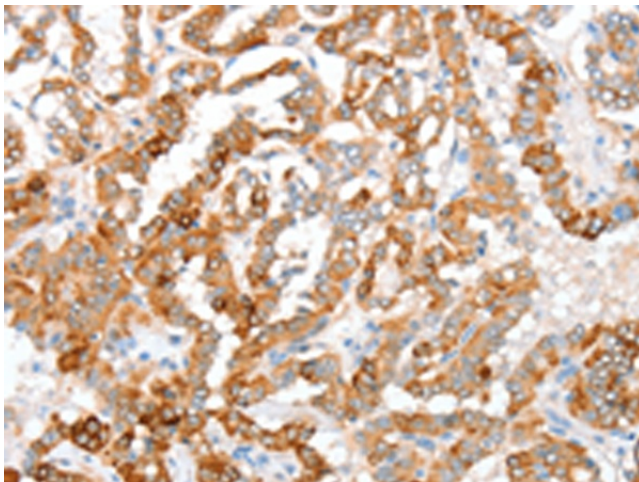
Lysate: 40 µg

Lane 1-2: Mouse kidney tissue  
rat kidney tissue

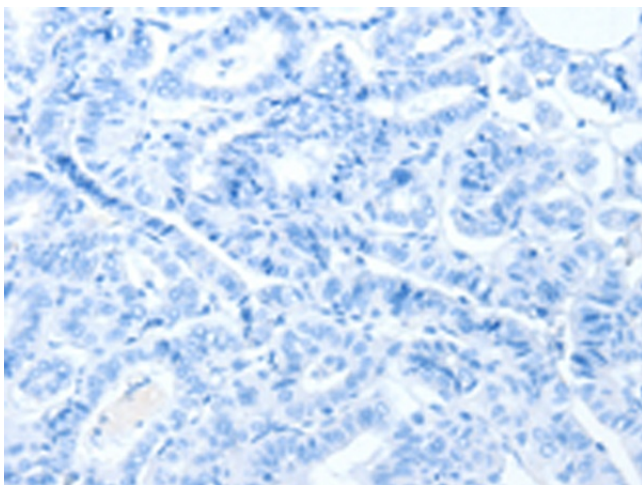
Primary antibody: TA322092 (ACY3 Antibody) at dilution 1/750

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

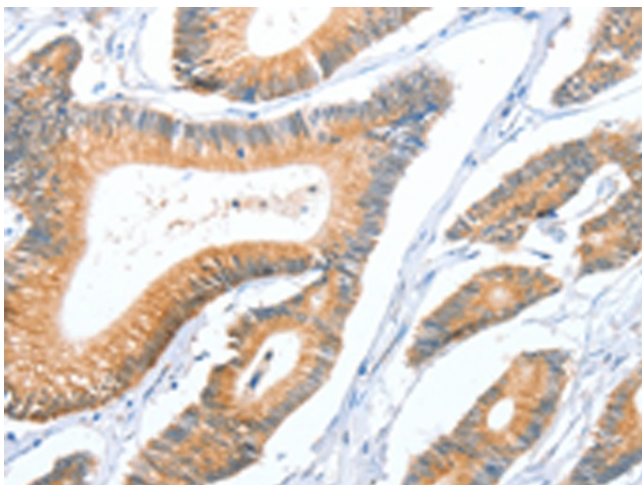
Exposure time: 10 seconds



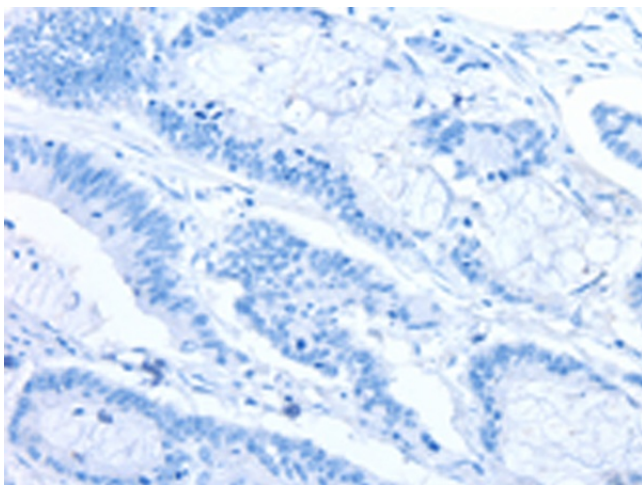
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322092 (ACY3 Antibody) at dilution 1/35 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322092 (ACY3 Antibody) at dilution 1/35, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322092 (ACY3 Antibody) at dilution 1/35 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322092 (ACY3 Antibody) at dilution 1/35, treated with fusion protein. (Original magnification: ×200)