

## Product datasheet for **TA322091**

### ACY3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse kidney tissue IHC: 25-100 Positive control: Human cervical 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:**

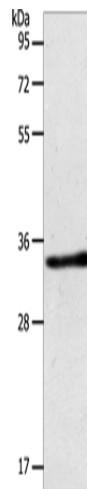
Acy3, which encodes a deduced 318-amino acid protein with a calculated molecular mass of about 35.2 kD. Acy3 has no membrane domain, but it contains consensus sites for N-glycosylation, tyrosine sulfation, tyrosine and threonine phosphorylation, and myristoylation. Northern blot analysis detected high 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:**

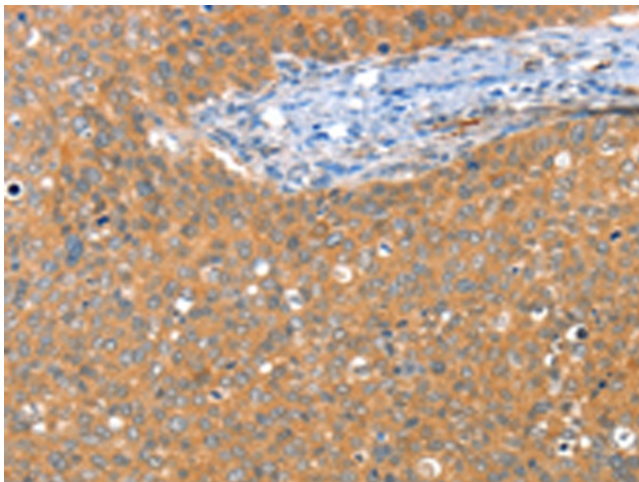
ACY-3; HCBP1

**Protein Pathways:**

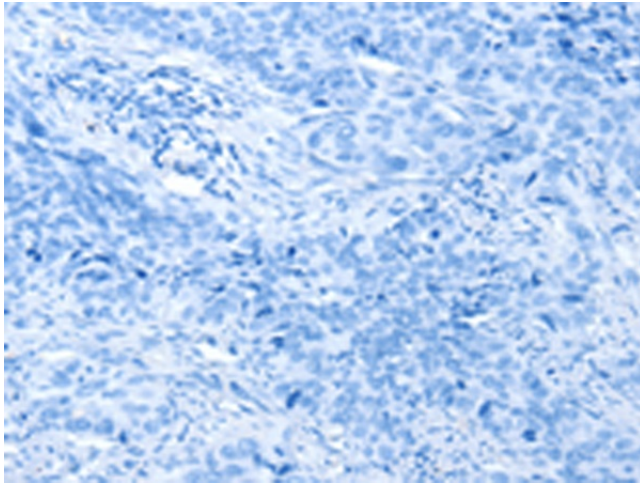
Alanine, aspartate and glutamate metabolism, Histidine metabolism

**Product images:**


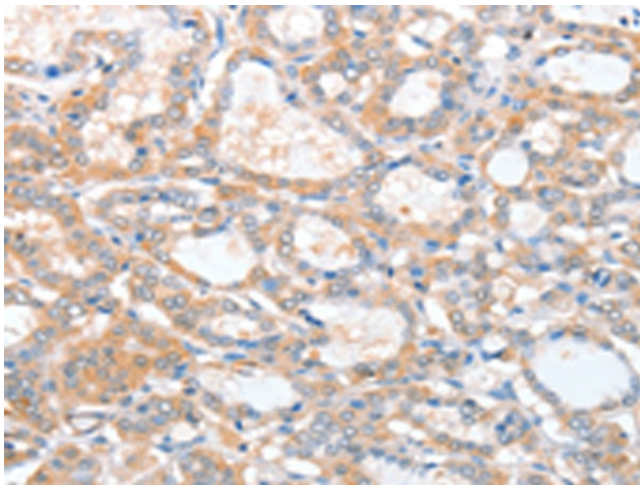
Gel: 10%SDS-PAGE  
 Lysate: 40 µg  
 Lane: Mouse kidney tissue  
 Primary antibody: TA322091 (ACY3 Antibody) at dilution 1/500  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 5 seconds



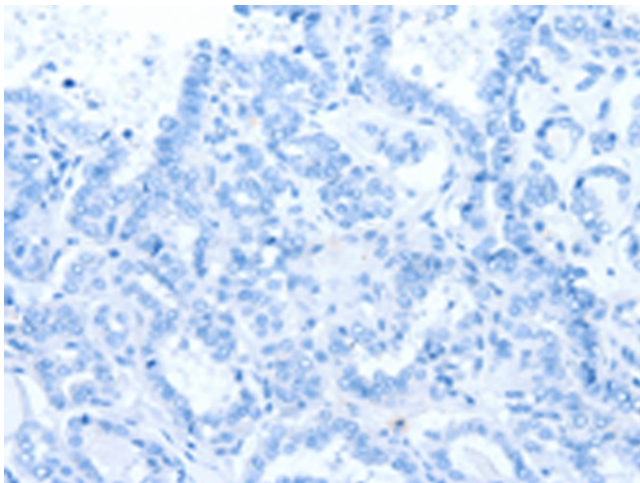
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA322091 (ACY3 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA322091 (ACY3 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322091 (ACY3 Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322091 (ACY3 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )