

## Product datasheet for **TA323311**

### AADAC Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human fetal liver and liver cancer tissue IHC: 50-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 250 amino acids of human arylacetamide deacetylase
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:	46 kDa
Gene Name:	arylacetamide deacetylase
Database Link:	<a href="#">NP_001077</a> <a href="#">Entrez Gene 13 Human</a> <a href="#">P22760</a>



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**Background:**

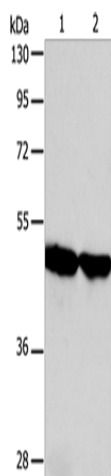
Microsomal arylacetamide deacetylase competes against the activity of cytosolic arylamine N-acetyltransferase; which catalyzes one of the initial biotransformation pathways for arylamine and heterocyclic amine carcinogens. Arylacetamide deacetylation is an important enzyme activity in the metabolic activation of arylamine substrates to ultimate carcinogens. Displays major serine hydrolase activity in liver microsomes. Hydrolyzes also flutamide; which is an antiandrogen drug used for the treatment of prostate cancer that occasionally causes severe hepatotoxicity. Displays cellular triglyceride lipase activity in liver. Increases intracellular fatty acids derived from hydrolysis of newly formed triglyceride stores.

**Synonyms:**

CES5A1; DAC

**Protein Families:**

Druggable Genome, Transmembrane

**Product images:**

Gel: 10%SDS-PAGE

Lysate: 40 µg

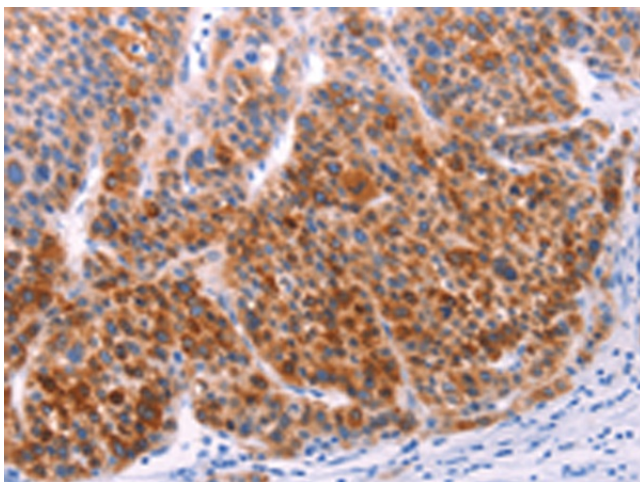
Lane 1-2: Human fetal liver tissue

Human liver cancer tissue

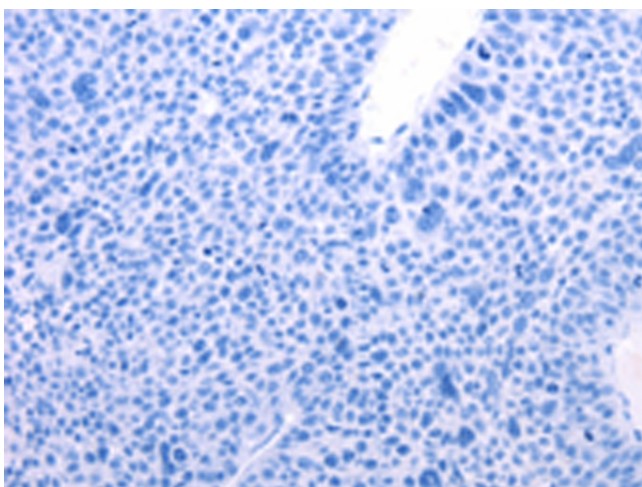
Primary antibody: TA323311 (AADAC Antibody) at dilution 1/600

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

Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA323311 (AADAC Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA323311 (AADAC Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)