

Datasheet for ABIN513029  
**anti-AADAC antibody (AA 201-300)**[2 Images](#)[5 Publications](#)[Go to Product page](#)

## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 100 µg                               |
| Target:              | AADAC                                |
| Binding Specificity: | AA 201-300                           |
| Reactivity:          | Human                                |
| Host:                | Mouse                                |
| Clonality:           | Monoclonal                           |
| Conjugate:           | This AADAC antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA         |

## Product Details

|                   |  |
|-------------------|--|
| Purpose:          | Mouse monoclonal antibody raised against a partial recombinant AADAC.  |
| Immunogen:        | AADAC (NP_001077, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence:         | QLLDDPDVKI KLKIQSLIYP ALQPLDVDLP SYQENSNFLF LSKSLMVRFW SEYFTTDRSL<br>EKAMLSRQHV PVESHLFKF INWSSLLPER FIKGHVYNNP    |
| Clone:            | 2E8  |
| Isotype:          | IgG2b  |
| Cross-Reactivity: | Human  |
| Characteristics:  | Antibody Reactive Against Recombinant Protein.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | AADAC  |
| Alternative Name: | AADAC ( <a href="#">AADAC Products</a> )                                     |
| Background:       | Full Gene Name: arylacetamide deacetylase (esterase)<br>Synonyms: CES5A1,DAC |
| Gene ID:          | 13   |
| NCBI Accession:   | <a href="#">NM_001086</a>  |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only  |

## Handling

|                  |  |
|------------------|--|
| Buffer:          | In 1x PBS, pH 7.4  |
| Handling Advice: | Aliquot to avoid repeated freezing and thawing.                          |
| Storage:         | -20 °C   |
| Storage Comment: | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

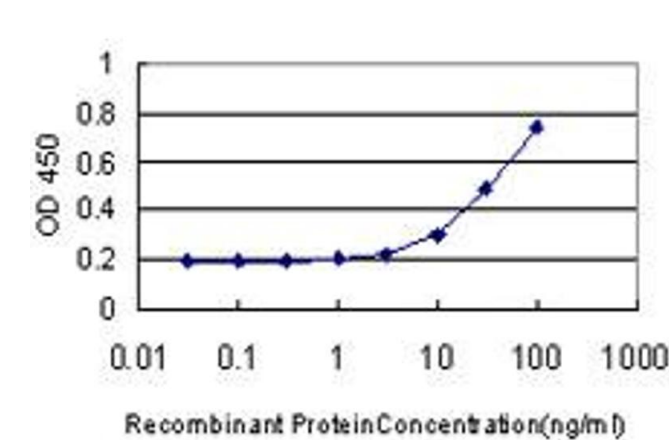
## Publications

|                   |  |
|-------------------|--|
| Product cited in: | <p>Muta, Fukami, Nakajima, Yokoi: "N-Glycosylation during translation is essential for human arylacetamide deacetylase enzyme activity." in: <b>Biochemical pharmacology</b>, Vol. 87, Issue 2, pp. 352-9, (2014) (<a href="#">PubMed</a>).</p> <p>Kobayashi, Fukami, Nakajima, Watanabe, Nakajima, Yokoi: "Species differences in tissue distribution and enzyme activities of arylacetamide deacetylase in human, rat, and mouse." in: <b>Drug metabolism and disposition: the biological fate of chemicals</b>, Vol. 40, Issue 4, pp. 671-9, (2012) (<a href="#">PubMed</a>).</p> <p>Shimizu, Fukami, Kobayashi, Takamiya, Aoki, Nakajima, Yokoi: "A novel polymorphic allele of human arylacetamide deacetylase leads to decreased enzyme activity." in: <b>Drug metabolism and disposition: the biological fate of chemicals</b>, Vol. 40, Issue 6, pp. 1183-90, (2012) (<a href="#">PubMed</a>).</p> |
|-------------------|--|

Kobayashi, Fukami, Higuchi, Nakajima, Yokoi: "Metabolic activation by human arylacetamide deacetylase, CYP2E1, and CYP1A2 causes phenacetin-induced methemoglobinemia." in: **Biochemical pharmacology**, Vol. 84, Issue 9, pp. 1196-206, (2012) ([PubMed](#)).

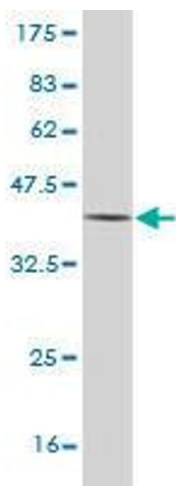
Watanabe, Fukami, Nakajima, Takamiya, Aoki, Yokoi: "Human arylacetamide deacetylase is a principal enzyme in flutamide hydrolysis." in: **Drug metabolism and disposition: the biological fate of chemicals**, Vol. 37, Issue 7, pp. 1513-20, (2009) ([PubMed](#)).

Images



ELISA

**Image 1.** Detection limit for recombinant GST tagged AADAC is approximately 3ng/ml as a capture antibody.



Western Blotting

**Image 2.** Western Blot detection against Immunogen (36.74 KDa) .