



Datasheet for ABIN519568
anti-P5CS antibody (AA 696-795)



[Go to Product page](#)

3 Images

1 Publication

Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 100 µg |
| Target: | P5CS (ALDH18A1) |
| Binding Specificity: | AA 696-795 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This P5CS antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

Product Details

| | |
|-------------------|---|
| Purpose: | Mouse monoclonal antibody raised against a partial recombinant ALDH18A1. |
| Immunogen: | ALDH18A1 (NP_002851, 696 a.a. ~ 795 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence: | TDVIVTEDEN TAEFFLQHQVD SACVFWNAST RFSDGYRFGL GAEVGISTSR IHARGPVGLE GLLTTKWLLR GKDHHVSDFS EHGSLKYLHE NLPIPQRNTN |
| Clone: | 2B5 |
| Isotype: | IgG2b |
| Cross-Reactivity: | Human |
| Characteristics: | Antibody Reactive Against Recombinant Protein. |

Target Details

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|-------------------|---|
| Target: | P5CS (ALDH18A1) |
| Alternative Name: | ALDH18A1 (ALDH18A1 Products) |
| Background: | Full Gene Name: aldehyde dehydrogenase 18 family, member A1 Synonyms: GSAS,MGC117316,P5CS,PYCS |
| Gene ID: | 5832 |
| NCBI Accession: | NM_002860 |

Application Details

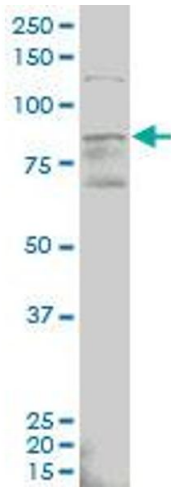
| | |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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|------------------|--|
| 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. |

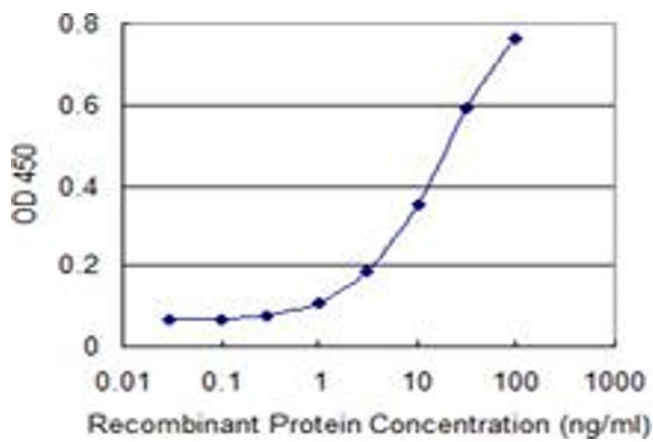
Publications

| | |
|-------------------|--|
| Product cited in: | De Ingeniis, Ratnikov, Richardson, Scott, Aza-Blanc, De, Kazanov, Pellecchia, Ronai, Osterman, Smith: "Functional specialization in proline biosynthesis of melanoma." in: PLoS ONE , Vol. 7, Issue 9, pp. e45190, (2012) (PubMed). |
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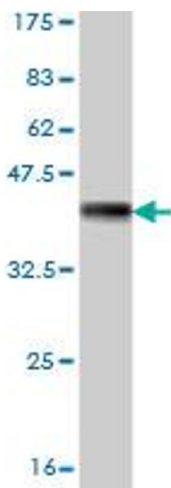
Western Blotting

Image 1. ALDH18A1 monoclonal antibody (M01), clone 2B5 Western Blot analysis of ALDH18A1 expression in MCF-7 .



ELISA

Image 2. Detection limit for recombinant GST tagged ALDH18A1 is 0.3 ng/ml as a capture antibody.



Western Blotting

Image 3. Western Blot detection against Immunogen (36.74 kDa) .