

## Product datasheet

# Anti-D Amino Acid Oxidase antibody [EPR7555] ab140127

Recombinant RabMAb

3 Images

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-D Amino Acid Oxidase antibody [EPR7555]   |
| <b>Description</b>         | Rabbit monoclonal [EPR7555] to D Amino Acid Oxidase  |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB<br><b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human  |
| <b>Immunogen</b>           | Synthetic peptide within Human D Amino Acid Oxidase aa 250-350. The exact sequence is proprietary.   |
| <b>Positive control</b>    | Recombinant Human D Amino Acid Oxidase protein ( <a href="#">ab117193</a> ) can be used as a positive control in WB. Human fetal kidney lysate; SH-SY5Y cells.   |
| <b>General notes</b>       | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> |

### Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | Preservative: 0.01% Sodium azide<br>Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS                          |

|                     |                    |
|---------------------|--------------------|
| <b>Purity</b>       | Protein A purified |
| <b>Clonality</b>    | Monoclonal         |
| <b>Clone number</b> | EPR7555            |
| <b>Isotype</b>      | IgG                |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab140127 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| <b>WB</b>   |           | 1/1000 - 1/10000. Predicted molecular weight: 39 kDa. |

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

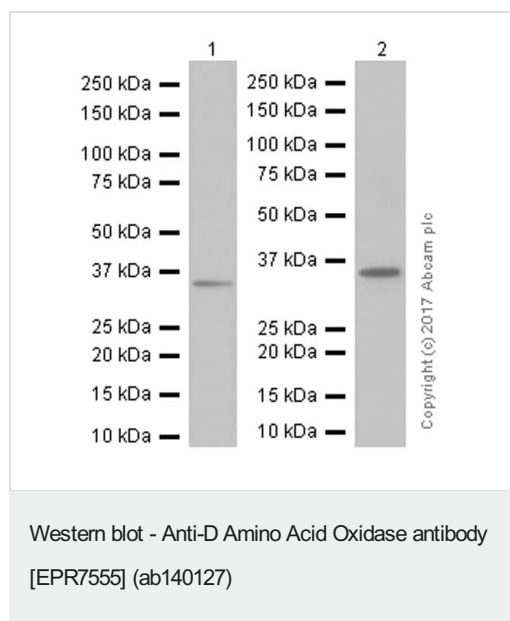
## Target

**Function** Regulates the level of the neuromodulator D-serine in the brain. Has high activity towards D-DOPA and contributes to dopamine synthesis. Could act as a detoxifying agent which removes D-amino acids accumulated during aging. Acts on a variety of D-amino acids with a preference for those having small hydrophobic side chains followed by those bearing polar, aromatic, and basic groups. Does not act on acidic amino acids.

**Sequence similarities** Belongs to the DAMOX/DASOX family.

**Cellular localization** Peroxisome.

## Images



**All lanes :** Anti-D Amino Acid Oxidase antibody [EPR7555] (ab140127) at 1/1000 dilution (purified)

**Lane 1 :** Human fetal kidney tissue lysate

**Lane 2 :** Human cerebellum lysate

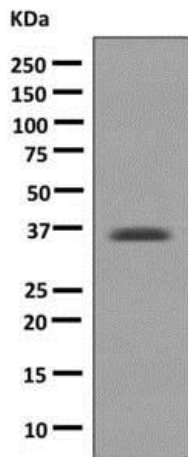
Lysates/proteins at 15 µg per lane.

### Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

**Predicted band size:** 39 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-D Amino Acid Oxidase antibody [EPR7555] (ab140127)

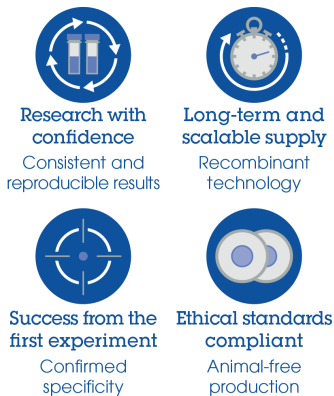
Anti-D Amino Acid Oxidase antibody [EPR7555] (ab140127) at 1/1000 dilution (unpurified) + Human fetal kidney lysate at 10 µg

### Secondary

goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 39 kDa

### Why choose a recombinant antibody?



Anti-D Amino Acid Oxidase antibody [EPR7555] (ab140127)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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