



## Anti-D-AMINO ACID OXIDASE (Pig Kidney) (SHEEP) Antibody - 100-601-143

**Code:** 100-601-143

**Size:** 2 mL

**Product Description:** Anti-D-AMINO ACID OXIDASE (Pig Kidney) (SHEEP) Antibody - 100-601-143

**Concentration:** 90 mg/mL by Refractometry

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<b>Host</b>	Sheep
<b>Gene Name</b>	DAO
<b>Species Reactivity</b>	pig (Sus Scrofa)
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	2.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	sheep anti-D-Amino Acid Oxidase Antibody, D-amino-acid oxidase, DAMOX, DAAO, DAO
<b>Application Note</b>	This product has been assayed against 1.0 ug of D-Amino Acid Oxidase [Pig Kidney] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Sheep IgG [H&L] (Goat) code #611-1302 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product.
<b>Background</b>	D-Amino Acid Oxidase regulates the level of the neuromodulator D-serine in the brain. It has high activity towards D-DOPA and contributes to dopamine synthesis. It could act as a detoxifying agent which removes D-amino acids accumulated during aging. It 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. D-Amino Acid Oxidase does not act on acidic amino acids.
<b>Purity And Specificity</b>	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-sheep serum, purified and partially purified D-Amino Acid Oxidase [Pig Kidney]. Cross reactivity against D-Amino Acid Oxidase from other tissues and species may occur but have not been specifically determined.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:5,000 - 1:20,000
<b>Western Blot</b>	1:500 - 1:5,000
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	D-Amino Acid Oxidase [Pig Kidney]
<b>Related Products</b>	

610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304
B501-0500	BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500

## Related Links

UniProtKB - P00371

<http://www.uniprot.org/uniprot/P00371>

NCBI - P00371 <http://www.ncbi.nlm.nih.gov/protein/P00371>

GeneID - 397134

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.