



Anti-NO-DL-Citrulline polyclonal antibody (DPAB4017)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-NO-DL-Citrulline Polyclonal Antibody
Specificity	This antibody targets conjugated Nitroso-DL-Citrulline. This antibody does not recognize free NO-DLCitrulline. Antiserum previously preabsorbed on protein carriers and purified. Using a conjugate Nitroso-DL-Citrulline-Glutaraldehyde-(Pc), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:
Immunogen	Synthetic NO-DL-Citrulline conjugated to protein carrier (Pc)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	IHC, IB
Format	Lyophilized and reconstituted with deionized water / 50% glycerol
Size	50 µl
Preservative	None
Storage	Store the antibody at 4°C for one month or -20°C in undiluted aliquots for up to one year. Avoid repeated freezing and thawing.

BACKGROUND

Introduction

In enzymology, a citrullinase is an enzyme that catalyzes the chemical reaction L-citrulline + H₂O → L-ornithine + CO₂ + NH₃. Thus, the two substrates of this enzyme are L-citrulline and H₂O, whereas its 3 products are L-ornithine, CO₂, and NH₃. This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in linear amides. The systematic name of this enzyme class is L-citrulline N5-carbamoyldihydrolase. Other names in common use include citrulline ureidase, citrulline hydrolase, and L-citrulline 5-N-carbamoyldihydrolase.

Keywords

DL-Ornithine, N(5)-(aminocarbonyl)-; Ornithine, N5-carbamoyl-, DL-; LABOTEST-BB LT00244768; DL-CITRULLINE; DL-2-AMINO-5-UREIDOVALERIC ACID; CITRULLINE, DL-; H-DL-Cit-OH; (±)-2-Amino-5-ureidopentanoic acid, DL-2-Amino-5-ureidovaleric acid; rac-(2R*)-2-(3-Ureidopropyl)glycine; DL-Citrulline, 97%; (±)-2-Amino-5-ureidopentanoic acid; EINECS 211-012-2; CITRULLINE, D/L-(RG)