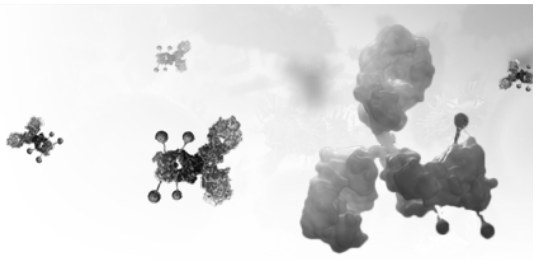

Anti-Trans-Hydroxyproline polyclonal antibody (DPAB1804)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody toTrans-Hydroxyproline
Specificity	Using a Trans-hydroxyprolineadsorbed on bovine serum albumin, antibody specificity was performed with anELISA test by competition experiments with the following compounds : Compounds Cross-reactivity ratio (a) Trans-hydroxyproline-BSA 1 Cis-hydroxyproline-BSA 1 Proline-BSA 1/40 Pyrroline-5-carboxylicacid-BSA 1/900 (a) : Trans-hydroxyproline-BSAconcentration/conjugated close-related compounds concentration at halfdisplacement. BSA = Bovine Serum Albumin.
Target	Conjugated Trans-hydroxyproline
Immunogen	Synthetic Trans-hydroxyprolineconjugated to bovine serum albumin (BSA)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Format	Lyophilized
Size	100 µl
Preservative	None
Storage	Lyophilized vial must be stored at4℃ in a dry area. After reconstitution with 50µl of

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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distilled water and 50μl of glycerol, the aliquot can bestored at -20℃, and is stable at least 2 years.

BACKGROUND

Introduction

Hydroxyproline, anon-essential amino acid derived from proline, with no known therapeutic use.Hydroxproline is used as a major component of structural protiens such ascollagen, connective tissues, plant cell walls, tendons and ligaments andprovides skin elasticity. Vitiman C is required for the conversion processfrom proline to hydroxyproline, a deficincy in vitiman C can lead to defectsin collagen synthesis, thus, resulting in easy bruising, internal bleeding,breakdown of connective tissue of the ligaments and tendons, and increasedrisk to blood vessel damage.

Keywords

4-L-Hydroxyproline;delta-Hydroxyproline; Hypro; L-Proline,4-hydroxy-,trans; Ls-Hydroxyproline;trans-Hydroxyproline; H-HYP-OH; H-HYP-OH (TRANS); H-L-HYDROXYPROLINE;H-L-HYP-OH; H-TRANS-HYP-OH; HYDROXYPROLINE;HYDROXY-L-PROLINE;L-(-)-4-HYDROXYPYRROLIDINE-2-CARBOXYLIC ACID;L-4-TRANS-HYDROXYPROLINE; L-4-HYDROXY-2-PYRROLIDINECARBOXYLIC ACID;L-4-HYDROXY-2-PYRROLIDINE-CARBOXYLIC ACID TRANS-ISOMER; L-4-HYDROXYPROLINE;Trans-hydroxyproline

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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