



Rabbit Anti-hydroxyproline antibody

SL10389R

Product Name:	hydroxyproline
Chinese Name:	羟脯氨酸抗体
Alias:	hydroxyproline; Hyp; hydroxyproline.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Rat,hydroxyproline
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human hydroxyproline:
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Hydroxyproline, a non-essential amino acid derived from proline, with no known therapeutic use. Hydroxproline is used as a major component of structural protiens such as collagen, connective tissues, plant cell walls, tendons and ligaments and provides skin elasticity. Vitiman C is required for the conversion process from proline to hydroxyproline, a deficincy in vitiman C can lead to defects in collagen synthesis, thus, resulting in easy bruising, internal bleeding, breakdown of connective tissue of the ligaments and tendons, and increased risk to blood vessel damage. An unusual feature of this amino acid is that, it is not incorporated into collagen during biosynthesis at the

ribosomal level, but is formed from proline by a posttranslational modification by an enzymatic hydroxylation reaction.

SWISS:

N/A

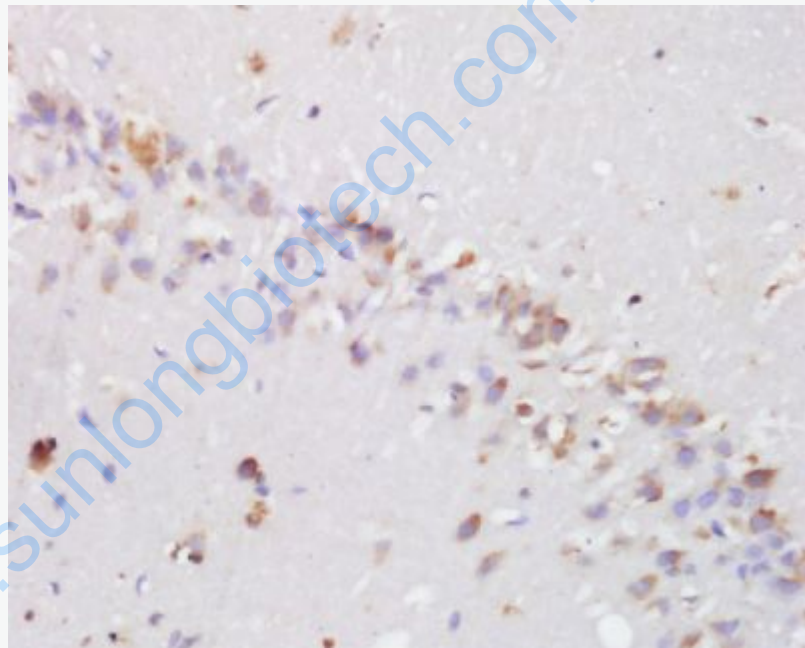
CAS:

51-35-4

Important Note:

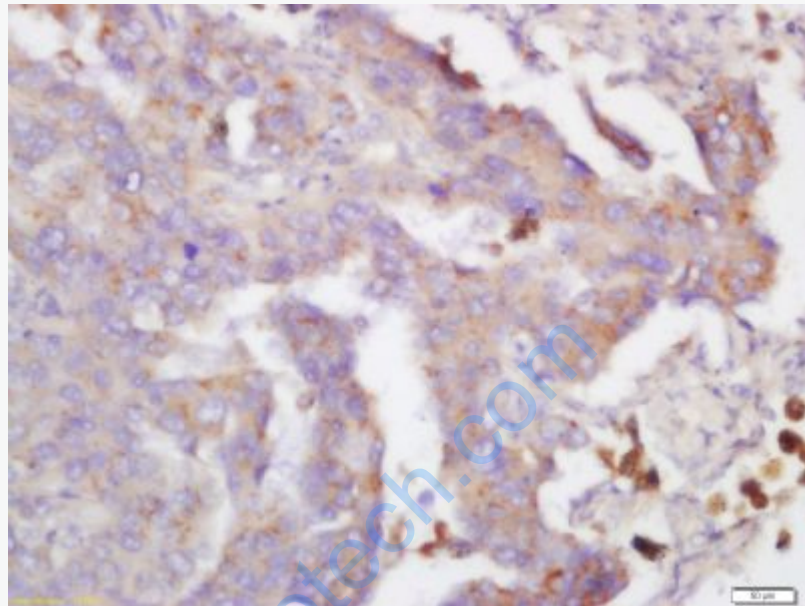
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-hydroxyproline Polyclonal Antibody, Unconjugated(SL10389R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-

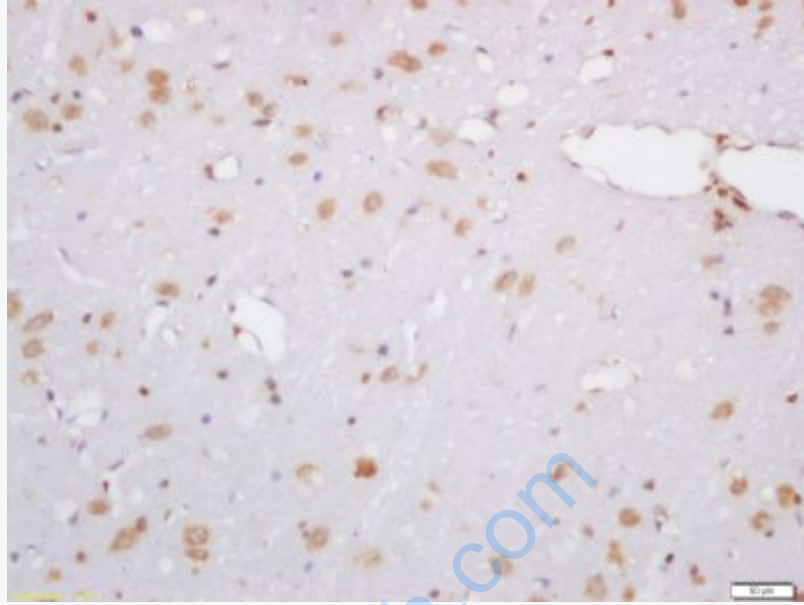
0023) and DAB(C-0010) staining



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-hydroxyproline Polyclonal Antibody, Unconjugated(SL10389R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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