



Anti-Tryptamine polyclonal antibody (DPAB1805)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Tryptamine
Specificity	Using a conjugate tryptamine-(Pc), antibody specificity was performed with an ELISA test by competition experiments with the following compounds : Compounds Cross-reactivity ratio (a) Tryptamine-G-(Pc) 1 5-Hydroxytryptamine-G-(Pc) 1/50 5-Methoxytryptamine-G-(Pc) 1/60 Tryptamine 1/2,000 Tryptophan-G-(Pc) 1/3,000 5-Methoxytryptophan-G-(Pc) 1/6,000 5-Hydroxytryptophan-G-(Pc) 1/50,000 (a) : Tryptamine-G-(Pc) concentration/other conjugated indolealkylamine concentration at half displacement ; G = Glutaraldehyde
Target	Conjugated tryptamine
Immunogen	Synthetic tryptamine conjugated to protein carrier (Pc)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	ICC, IHC
Format	Lyophilized
Size	100 µl
Preservative	None
Storage	Lyophilized vial must be stored at 4°C in a dry area. After reconstitution with 50µl of distilled water and 50µl of glycerol, the aliquot can be stored at -20°C, and is stable at least

BACKGROUND

Introduction

Tryptamine (3-(2-aminoethyl)indole) is a monoamine compound that is widespread in nature. Biosynthesis generally proceeds from the amino acid tryptophan, with tryptamine in turn acting as a precursor for other compounds including indole, beta-carboline and ergoline alkaloids and auxins. Substitutions to the tryptamine molecule give rise to a group of compounds collectively known as tryptamines. The most well-known tryptamines are serotonin, an important neurotransmitter, and melatonin, a hormone involved in regulating the sleep-wake cycle.

Keywords

(Amino-2 ethyl)-3 indole; (amino-2ethyl)-3indole; 3-(2-aminoethyl)-indol; 3-Indoleethylamine; beta-(3-Indolyl)ethylamine; Indol-3-ethylamine; Tryptamin; LABOTEST-BB LTBB000729; AURORA KA-7834; 3-(BETA-AMINOETHYL) INDOLE; 2-(3-INDOLYL)ETHYLAMINE; 1H-INDOLE-3-ETHANAMINE; 2-(1H-INDOL-3-YL)-ETHYLAMINE; 2-(1H-INDOL-3-YL)ETHANAMINE; 3-(2-AMINOETHYL)INDOLE; 3-(2-AMINOETHYL)-1H-INDOLE; TIMTEC-BB SBB003963; TRYPTAMINE
