



Anti-NO2-Serotonin polyclonal antibody (DPAB4011)

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

PRODUCT INFORMATION

Product Overview	Rabbit Anti-NO2-Serotonin Polyclonal Antibody
Specificity	<p>Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. This antibody targets conjugated NO2-Serotonin. This antibody does not recognize free NO2-Serotonin.</p> <p>Using a conjugate NO2-Serotonin-Glutaraldehyde-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:</p>
Immunogen	Synthetic NO2-Serotonin conjugated to bovine serum albumin
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	ELISA, ICC, IHC, WB
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. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

BACKGROUND

Introduction

Serotonin (5-hydroxytryptamine, or 5-HT) is a monoamine neurotransmitter synthesised in serotonergic neurons in the central nervous system and enterochromaffin cells in the gastrointestinal tract. Serotonin plays an important part in the biochemistry of depression, migraine, bipolar disorder and anxiety. It is also believed to be influential on sexuality and appetite. 5-HT is generally thought not to be released from synaptic terminal buttons in the manner of classical neurotransmission but from serotonergic varicosities into the extra neuronal space. From here it is free to diffuse over a relatively large region of space (>20µm) and activate 5-HT receptors located on the dendrites, cell bodies and presynaptic terminals of adjacent neurons. Serotonergic action is terminated primarily via uptake of 5-HT from the synapse. This is through the specific monoamine transporter for 5-HT, 5-HT reuptake transporter, on the presynaptic neuron. The pharmacology of 5-HT is extremely complex, with its actions being mediated by a large and diverse range of 5-HT receptors.

Keywords

3-(2-AMINO-ETHYL)-1H-INDOL-5-OL; 5-HYDROXYTRYPTAMINE; AURORA KA-7815; 3-(2-aminoethyl)-indol-5-o; 3-(beta-aminoethyl)-5-hydroxyindole; 5-hta; 5-hydroxy-3-(beta-aminoethyl)indole; 5-hydroxy-3-(beta-aminoethyl)indole; antemovis; dssubstance; enteramine; hippophain; serotonin; serotoninine; substanceds; substanzds; thrombotonin; SEROTONIN BASE; 5-Hydroxytryptamine,freebase; 3-(2-AMINOETHYL)-5-HYDROXYINDOLE(SEROTONIN); 5-HYDROXYTRYPTAMINE 98%; 3-(2-aminoethyl)-1H-indol-5-ol hydrochloride; 3-(2-Aminoethyl)-5-oxyindole; 3-(2-azanylethyl)-1H-indol-5-ol