



Anti-4 polyclonal antibody (DPAB1665)

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

PRODUCT INFORMATION

Specificity	Using a conjugate 4,5-dihydroxytryptamine-(Pc), antibody specificity was performed with an ELISA test by competition experiments with the following compounds : Compounds Cross-reactivity ratio (a) 4,5-dihydroxytryptamine-G-(Pc) 1 5,6-dihydroxy
Immunogen	Synthetic 4,5-dihydroxytryptamine conjugated to protein carrier (Pc)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Conjugate	Unconjugated
Size	100 µl
Preservative	None
Storage	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

BACKGROUND

Introduction	Dihydroxytryptamine (DHT) is a neurotoxin used to selectively kill serotonergic neurons in scientific research, in the same way that 6-hydroxydopamine (6-OHDA) is used to kill dopaminergic cells. It is a synthetic amino acid which acts as a selective and irreversible inhibitor of tryptophan hydroxylase, which is a rate-limiting enzyme in the biosynthesis of serotonin.[1] Fenclonine consequently depletes serotonin in the body and reduces its actions, acting as an indirect serotonin antagonist. It is used in scientific research to investigate the effects of serotonin depletion on behaviour.
Keywords	4,5-Dihydroxytryptamine; 4,5-DHT