



## Anti-5 polyclonal antibody (DPAB1667)

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

### PRODUCT INFORMATION

<b>Specificity</b>	Using a conjugate 5,7-dihydroxytryptamine-Glutaraldehyde-(Pc), antibody specificity was performed with an ELISA test by competition experiments with the following compounds : Compounds Cross-reactivity ratio (a) 5,7-Dihydroxytryptamine- G-BSA
<b>Immunogen</b>	Synthetic 5,7-dihydroxytryptamine conjugated to protein carrier (Pc)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	N/A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Elisa
<b>Size</b>	100 µl
<b>Preservative</b>	None
<b>Storage</b>	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

### BACKGROUND

<b>Introduction</b>	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.
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**Keywords**

5,7-dihydroxytryptamine; 5 7 DHT; 5 7 Dihydroxytryptamine

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