



# Anti-Dopamine polyclonal antibody (DPAB3997)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-Dopamine Polyclonal Antibody
<b>Specificity</b>	<p>Anti-idiotypic antibodies internal images (Ab2) are developed in order to mimic the physiological activity of biomolecules. This antibody targets dopamine receptor, binding site of polyclonal or monoclonal anticonjugated dopamine antibodies. Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.</p> <p>Using idiotypic antibody responses, specificity was performed with an ELISA test by competition experiments with the following compounds:</p>
<b>Immunogen</b>	polyclonal and monoclonal anti-conjugated dopamine antibodies (Ab1)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	N/A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, IHC, ICC, FuncS
<b>Format</b>	Lyophilized and reconstituted with deionized water / 50% glycerol
<b>Preservative</b>	None
<b>Storage</b>	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**

Dopamine (C<sub>6</sub>H<sub>3</sub>OH)<sub>2</sub>-CH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub>) is a catecholamine neurotransmitter in the brain. Its chemical name is 4-(2-aminoethyl)benzene-1,2-diol. Dopamine is a hormone released by the hypothalamus. Its main function is to inhibit the release of prolactin from the anterior lobe of the pituitary. It can be used as a sympathomimetic drug, producing effects such as increased heart rate and blood pressure.

**Keywords**

2-(3,4-Dihydroxyphenyl)ethylamine; 3,4-Dihydroxyphenethylamine; 3-Hydroxytyramine; Dopamine; 4-(2-Aminotehyl)pyrocatechol; 3-Hydroxytyramine hydrobromide,99%