



Anti-Amphetamine polyclonal antibody (DPBT-68338SA)

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

PRODUCT INFORMATION

Product Overview	Sheep Anti AmphetamineSheep Anti Amphetamine
Specificity	DPBT-68338SA recognises Amphetamine, a synthetic psychostimulant drug. It causes alertness, an increase in the ability to concentrate, decreased fatigue and decreased appetite. It acts by increasing levels of dopamine and norepinephrine in the brain and increasing euphoria. Medically it may be used to treat daytime drowsiness, attention-deficit hyperactivity disorder in children and traumatic brain injury. Amphetamine may be used recreationally, where tolerance can develop rapidly, leading to psychological addiction. Chronic abuse can lead to weight loss, hallucinations and paranoid psychosis. Overdose may result in agitation, hyperthermia, convulsion, coma and cardiac and respiratory failure. Amphetamine may also be used as a performance-enhancer. Students may take it as a study aid, since it increases energy levels, concentration and motivation. It may also be taken by athletes to increase energy levels. Its use during strenuous physical activity, especially when combined with alcohol, is extremely dangerous.
Immunogen	Amphetamine(m)-BSA
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Chemical
Conjugate	Unconjugated
Applications	ELISA
Preparation	Purified IgG prepared by caprylic acid and ammonium sulphate precipitation
Format	Purified IgG - liquid

Concentration	IgG concentration 1mg/ml
Size	250 µg
Buffer	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Storage	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction	Amphetamine (USAN) or amphetamine (INN) is a psychostimulant drug of the phenethylamine class which produces increased wakefulness and focus in association with decreased fatigue and appetite. Brand names of medications that contain, or metabolize into, amphetamine include Adderall, Dexedrine, Dextrostat, Desoxyn, ProCentra, and Vyvanse, as well as Benzedrine in the past.
Keywords	Propylamine, alpha-methyl-gamma-phenyl-; Propylamine,.alpha.-methyl-.gamma.-phenyl-; (+/-)-AMPHETAMINE; DL-AMPHETAMINE; AURORA KA-7110; 1-Phenyl-3-aminobutane; 3-Phenyl-1-methylpropylamine; 4-Phenyl-2-aminobutane; Amphetamine; AMP; (n)-3-amino-1-phenylbutane; (n)-4-phenyl-2-butylamine; METHYL-3-PHENYLPROPYLAMINE, 1-(RG)