

Sheep Anti Diazepam Polyclonal Antibody

Cat.No:DPBT-68260SD

Lot. No. (See product label)

PRODUCT INFORMATION

Storage	Store at +4 oC or at -20 oC 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.
Specificity	DPBT-68260SD recognises Diazepam a benzodiazepine derivative drug also known as Valium. The antibody has the following cross-reactivities. Desmethyldiazepam
Isotype	Polyclonal IgG
Immunogen	3-(O-Carboxymethyl)Oxazepam conjugated to keyhole limpet hemocyanin.
Format	Serum - liquid
Applications	ELISA, WB
Preservative	0.09% Sodium Azide (NaN ₃)
Host	Sheep
Shelf Life	18 months from date of despatch.
species	Chemical
Conjugation	N/A
Dilution	ELISA: 1/2 - 1/7 K

Background

Introduction Diazepam is a benzodiazepine drug. It is commonly used for treating anxiety, insomnia, seizures including status epilepticus, muscle spasms (such as in cases of tetanus), restless legs syndrome, alcohol withdrawal, benzodiazepine withdrawal and Ménière's disease. It may also be used before certain medical procedures (such as endoscopies) to reduce tension and anxiety, and in some surgical procedures to induce amnesia. It possesses anxiolytic, anticonvulsant, hypnotic, sedative, skeletal muscle relaxant, and amnesic properties. The pharmacological action of diazepam enhances the effect of the neurotransmitter GABA by binding to the benzodiazepine site on the GABA_A receptor leading to central nervous system depression.

Keywords Diazepam