

Datasheet: AHP1950

Description:	SHEEP ANTI LORAZEPAM
Specificity:	LORAZEPAM
Format:	Ig Fraction
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.25 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			3.5ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Chemical
Product Form	Ig fraction - liquid
Preparation	Purified Ig prepared by caprylic acid and ammonium sulphate precipitation
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Ig concentration 1mg/ml
Immunogen	Lorazepam-BSA.

Specificity

Sheep anti Lorazepam antibody, recognizes Lorazepam, a benzodiazepine drug with a short to medium duration of action. Its principle use is the treatment of severe chronic anxiety.

The benzodiazepines are a group of over 20 structurally related central nervous depressant drugs. They are widely prescribed for the treatment of anxiety, stress and insomnia. They are also used as pre-medication, for the induction of general anaesthesia and for treatment of alcohol withdrawal, epileptic seizures and muscle spasms.

Benzodiazepines are potentially addictive and are taken for their mood-altering properties. They are

also used to counteract the after-effects of stimulant drugs such as opiates, ecstasy and amphetamines, and are known as “downers”. Benzodiazepines by themselves, although highly addictive, are relatively safe and most cases of overdose and death occur when the drug is taken in combination with other drugs or alcohol.

This product shows the following cross-reactivities,

Clonazepam	11.07%
Nordiazepam	7.75%
Oxazepam	2.58%
Temazepam	<0.31%
Alprazolam	<0.31%
g-Hydroxyalprazolam	<0.31%
Nitrazepam	<0.31%
7-Aminonitrazepam	<0.31%
Flunitrazepam	<0.31%

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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[FITC](#), [HRP](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M313711:180329'

Printed on 29 Mar 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)