

## Datasheet: AHP1950

<b>Description:</b>	SHEEP ANTI LORAZEPAM
<b>Specificity:</b>	LORAZEPAM
<b>Format:</b>	Ig Fraction
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

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

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

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## 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](#)

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