

## Datasheet: AHP214

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Description:</b>  | SHEEP ANTI HUMAN APOLIPOPROTEIN B |
| <b>Specificity:</b>  | APOLIPOPROTEIN B                  |
| <b>Format:</b>       | Purified                          |
| <b>Product Type:</b> | Polyclonal Antibody               |
| <b>Isotype:</b>      | Polyclonal IgG                    |
| <b>Quantity:</b>     | 1 ml                              |

## 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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry             |     |    | ▪              |                    |
| Immunohistology - Frozen   |     |    | ▪              |                    |
| Immunohistology - Paraffin |     |    | ▪              |                    |
| ELISA                      |     |    | ▪              |                    |
| Immunoprecipitation        |     |    | ▪              |                    |
| Western Blotting           |     |    | ▪              |                    |
| Immunodiffusion            | ▪   |    |                | Neat               |

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Guinea Pig, Pig

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antisera to Apolipoprotein B were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared from serum by ion exchange chromatography.

### Buffer Solution

Glycine buffered saline

|                                      |  |
|--------------------------------------|--|
| <b>Preservative Stabilisers</b>      | 0.09% Sodium Azide<br>0.01% Benzamidine<br>0.1% EACA<br>1mM EDTA   |
| <b>External Database Links</b>       | <b>UniProt:</b><br><a href="#">P04114</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b><br><a href="#">338</a> APOB <a href="#">Related reagents</a>   |
| <b>RRID</b>                          | AB_321180  |
| <b>Specificity</b>                   | <b>Sheep anti Human apolipoprotein B antibody</b> recognizes human apolipoprotein B, one of many components of VLDL, LDL and IDL particles responsible for carrying water insoluble lipids throughout the body.  |
| <b>References</b>                    | <ol style="list-style-type: none"> <li>1. Hazell, L.J. <i>et al.</i> (1996) Presence of hypochlorite-modified proteins in human atherosclerotic lesions. <a href="#">J Clin Invest. 97: 1535-44.</a></li> <li>2. Ikejiri, A. <i>et al.</i> (2004) Effects of atorvastatin on triglyceride-rich lipoproteins, low-density lipoprotein subclass, and C-reactive protein in hemodialysis patients. <a href="#">Metabolism. 53: 1113-7.</a></li> <li>3. Dixon, J.L. <i>et al.</i> (2002) Apolipoprotein B is synthesized in selected human non-hepatic cell lines but not processed into mature lipoprotein. <a href="#">J Histochem Cytochem. 50: 629-40.</a></li> <li>4. Du, X. <i>et al.</i> (1998) Identification of two regions in apolipoprotein B100 that are exposed on the cytosolic side of the endoplasmic reticulum membrane. <a href="#">J Cell Biol. 141: 585-99.</a></li> </ol> |
| <b>Storage</b>                       | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>   |
| <b>Guarantee</b>                     | 18 months from date of despatch.   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10087 available at: 10087: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10087.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10087.pdf</a>  |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

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

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