

OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 <u>US-info@acris-antibodies.com</u>

BP330 OriGene EU

Acris Antibodies GmbH Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

Polyclonal Antibody to Human Casein - Serum Catalog No.: BP330 **Quantity:** 1 ml **Background:** Casein is the predominant phosphoprotein found in fresh milk, as a salt of calcium. Casein is not coagulated by heat. It is precipitated by acids and by rennet, a proteolytic enzyme typically obtained from the stomachs of calves. The enzyme trypsin can hydrolyze off a phosphate-containing peptone.Casein consists of a fairly high number of proline peptides, which do not interact. There are also no disulphide bridges. As a result, it has relatively little secondary structure or tertiary structure. Because of this, it cannot denature. It is relatively hydrophobic, making it poorly soluble in water. It is found in milk as a suspension of particles called casein micelles which show some resemblance with surfactant-type micellae in a sense that the hydrophilic parts reside at the surface. The caseins in the micelles are held together by calcium ions and hydrophobic interactions. Host: Sheep Immunogen: Human Casein Format: State: Liquid Serum without preservatives. **Applications:** ELISA > 1/150 (50%B). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. **Specificity:** Specific for Casein. No cross-reactivity with alpha-Lactalbumin. Species: Human. Other species not tested. Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Storage: Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



OG/20121030

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com

1/1