



Casein antibody

Sheep polyclonal to Casein

Catalog Number **GTX77269**

Synonyms | CSN1 | MGC133694 |

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 peptide. 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

Clonality Polyclonal

Immunogen Highly purified bovine casein isolated from milk

Antigen

Species Bovine

Applications ELISA, Immunoelectrophoresis, Western blot. The usefulness of this product in other applications has not been determined.

Application Note For ELISA: Use at a dilution of 1:100. For WB: Use at a dilution of 1:1,000-1:5,000. For Ie: Use at an assay dependent dilution. Not tested in other applications. Optimal dilutions/concentrations should be determined by the researcher.

Target Casein

Form

Supplied Liquid

Concentration 1 mg/ml

Purification Affinity purified with antigen

Storage

Buffer Phosphate Buffered Saline pH 7.2, containing 0.1% sodium azide

Storage

Instruction Keep as concentrated solution, aliquot and store at 4°C. Do not freeze.

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