

Datasheet for ABIN1385095
anti-CSN2 antibody (AA 16-100)[Go to Product page](#)[2 Images](#)[3 Publications](#)

Overview

Quantity:	100 µL
Target:	CSN2
Binding Specificity:	AA 16-100
Reactivity:	Human, Cow, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSN2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from bovine Beta-casein
Isotype:	IgG
Cross-Reactivity:	Cow, Goat, Human
Predicted Reactivity:	Sheep
Purification:	Purified by Protein A.

Target Details

Target:	CSN2
Alternative Name:	beta casein (CSN2 Products)
Background:	Synonyms: Beta-casein, CSN2

Target Details

Background: Important role in determination of the surface properties of the casein micelles. Casoparan acts as a macrophage activator, increasing the phagocytic activity of macrophages and peroxide release from macrophages. It also acts as a bradykinin-potentiating peptide. Casohypotensin acts as a bradykinin-potentiating peptide. Induces hypotension in rats. Acts as a strong competitive inhibitor of endo-oligopeptidase A. Antioxidant peptide has antioxidant activity.

Gene ID: 281099

UniProt: [P02666](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

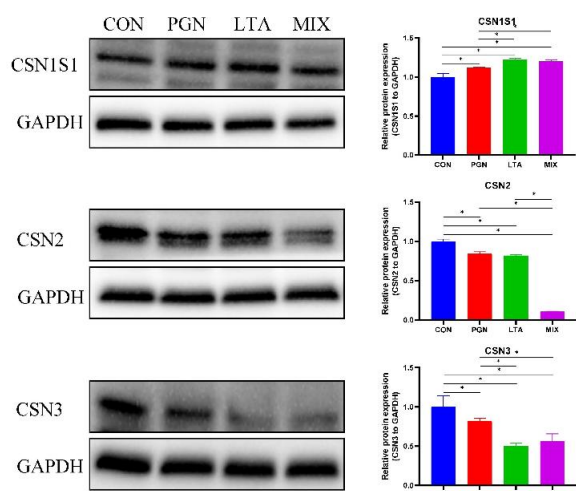
Publications

Product cited in: Wu, Chen, Sun, Dong, Wang, Chen, Dong: "PGN and LTA from Staphylococcus aureus Induced Inflammation and Decreased Lactation through Regulating DNA Methylation and Histone H3 Acetylation in Bovine Mammary Epithelial Cells." in: **Toxins**, Vol. 12, Issue 4, (2021) ([PubMed](#)).

Chu, Zhao, Feng, Zhang, Liu, Cheng, Li, Shen, Cao, Li, Min: "MicroRNA-126 participates in lipid metabolism in mammary epithelial cells." in: **Molecular and cellular endocrinology**, Vol. 454, pp. 77-86, (2017) ([PubMed](#)).

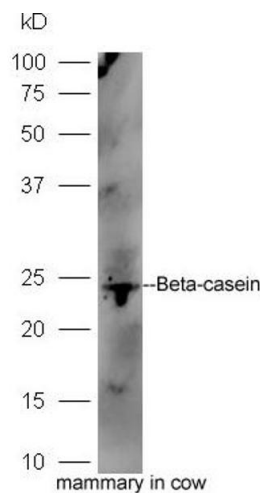
He, McMahon, McKeon, Brandon: "Development of a novel immuno-PCR assay for detection of ricin in ground beef, liquid chicken egg, and milk." in: **Journal of food protection**, Vol. 73, Issue 4 , pp. 695-700, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. The protein expression of the three caseins (CSN1S1, CSN2, and CSN3). The total protein was isolated to examine casein expression by Western Blot analysis, and the glyceraldehyde-3-phosphate dehydrogenase (GAPDH) was selected as a housekeeping protein. Quantitation of blots is representative of three independent experiments. Data represent the mean and standard deviation (n = 6), and the asterisk indicates statistical difference (* p < 0.05) between the indicated columns, based on one-way analysis of variance and Duncan's range test. CSN1S1, α1-casein, CSN2, β-casein, CSN3, κ-casein, CON, control group, PGN, peptidoglycan group, LTA, lipoteichoic acid group, MIX, PGN + LTA group. - figure provided by CiteAb. Source: PMID32283626



Western Blotting

Image 2. Bovine mammary tissue lysates probed with Rabbit Anti-Beta-casein Polyclonal Antibody, Unconjugated (ABIN1385095) at 1:300 overnight at 4 °C. Followed by a conjugated secondary antibody at 1:5000 for 90 min at 37 °C.