

Beta-casein Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250558

Unit: 0.1 mg

Description:

Beta-casein is involved in micelle formation. Caseins are the predominant milk proteins in most mammals. Casein, a 209 aa protein, yields three short peptides after cleavage: casoparan (5 aa), antioxidant peptide (8 aa) and casohypotensin (8 aa). Casoparan acts as a macrophage activator and a bradykinin-potentiating peptide. Casohypotensin acts as a bradykinin-potentiating peptide and a strong competitive inhibitor of endo-oligopeptidase A. The antioxidant peptide has antioxidant activity.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: Gt, Sh

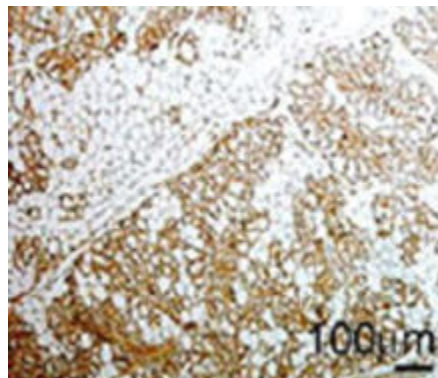
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Casein; Beta-casein; CSN2; casoparan; antioxidant peptide; casohypotensin

Accession No.: P11839

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of sheep beta-casein.

Application Notes: Cat. No. 250558 does not detect bovine casein. E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



Beta-casein staining in mouse mammary glands. Paraffin-embedded mouse mammary glands are stained with Beta-casein Antibody (Cat. No. 250558) used at 1:200 dilution. Data from Plaks et al. 2013.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: [1] Plaks V et al. 2013. Cell Reports. 39(1):70-78. PMID# 23352663. [2] Shin D et al. 2011. Journal of Cellular Physiology. 226(5):1340-1352. PMID# 20945346.

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