bs-0813R **[Primary Antibody]**

Alpha casein Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 282208 **SWISS:** P02662

Target: Alpha casein

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Casein is the name for a family of related phosphoproteins (αS1, αS2, β, κ). These proteins are commonly found in mammalian milk, making up 80% of the proteins in cow milk and between 20% and 45% of the proteins in human milk. Casein has a wide variety of uses, from being a major component of cheese, to use as a food additive, to a binder for safety matches. As a food source, casein supplies amino acids; carbohydrates; and two inorganic elements, calcium and phosphorus.

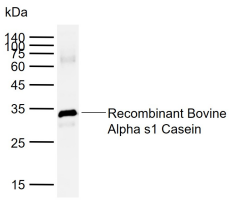
Applications: **WB** (1:500-2000)

Reactivity: Cow, Bovine

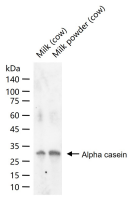
Predicted MW.: 23 kDa

Subcellular Location: Secreted ,Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Recombinant Bovine Alpha s1 Casein Primary: Anti-Alpha casein (bs-0813R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kDa Observed band size: 34 kDa



25 ug total protein per lane of various lysates (see on figure) probed with Alpha casein polyclonal antibody, unconjugated (bs-0813R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=25.841]** Chaoxiang Chen. et al. Active cargo loading into extracellular vesicles: Highlights the heterogeneous encapsulation behaviour. J Extracell Vesicles. 2021 Nov;10(13):e12163 FCM ;Material. 34719860
- **[IF=6.895]** Chaoxiang Chen. et al. General and mild modification of food-derived extracellular vesicles for enhanced cell targeting. Nanoscale. 2021 Feb;13(5):3061-3069 Other ;. 33521806
- **[IF=5.396]** Riguo Lan. et al. Reduction of ROS-HIF1α-driven glycolysis by taurine alleviates Streptococcus uberis infection. Food Funct. 2022 Jan;: WB ;Mouse. 35112684
- **[IF=3.571]** Yu M et al. Taurine promotes milk synthesis via the GPR87-PI3K-SETD1A signaling in BMECs. J Agric Food Chem. 2019 Feb 20;67(7):1927-1936. WB ;Mouse. 30678459
- **[IF=3.923]** Zhang S et al. The phosphorylation of Tudor-SN mediated by JNK is involved in the regulation of milk protein synthesis induced by prolactin in BMECs. (2018) J. Cell. Physiol. Sep 06 WB ;human. 30187485