

Alpha casein Rabbit pAb

Catalog Number: bs-0813R

Target Protein: Alpha casein

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Cow, Bovine

Predicted MW: 23 kDa

Entrez Gene: 282208

Swiss Prot: P02662

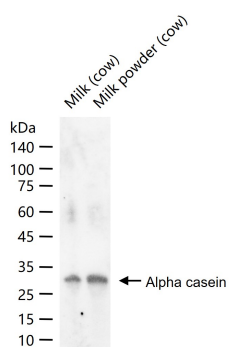
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

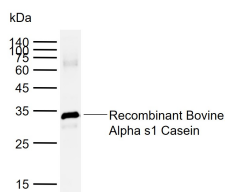
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Casein is the name for a family of related phosphoproteins (α S1, α S2, 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.

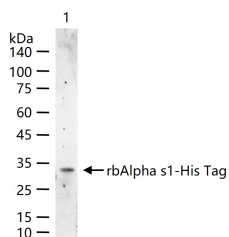
VALIDATION IMAGES



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.



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



500 ng rbAlpha s1-His protein (bs-42025P) per lane probed with Alpha casein polyclonal antibody respectively, unconjugated (bs-0813R) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r.t. for 60 min.

PRODUCT SPECIFIC PUBLICATIONS

[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-HIF1 α -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