bs-0466R

- DATASHEET -

[Primary Antibody]

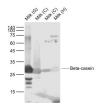
Beta casein Rabbit pAb



techsupport@bioss.com.cn 400-901-9800

DATASHEET		
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Sheep, Cow, Goat
GenelD: 443391		
Target: Beta casein		
Immunogen: KLH conjugated synthetic peptide derived from sheep Beta-casein: 151-222/222.		Predicted MW.: ^{23 kDa}
Purification: affinity purified by Protein A		Cubasilular
oncentration: 1mg/ml		Subcellular Location: Secreted
Glycerol.	vith 1% BSA, 0.02% Proclin300 and 50% re at -20°C for one year. Avoid repeated	
mammals and case milk. b- and k-casei The b-casein/k-case transitional and ma of colostrum casein life. Human b-casei phosphorylated site capacity of b-caseir required for the exp Stat5, C/EBPb (CCA half-sites for glucoc distal human enhar transcription is regu element (CoRE), wh hormones PRL, insu cells. NFkB function	ucial for the development of all newborn ins constitute the major proteins in mammalia ns are the only caseins present in human milk. ein ratio is higher in colostrum than in ture milk and is related to a better digestibility micelles by the neonate during the first days on n-encoding gene (Bca) contains a highly e, which is responsible for the calcium-binding n. A common set of transcription factors are ression of b-casein. Multiple binding sites for AT/enchancer-binding protein) and several orticoid receptor (GR) are identified in the neer of the b-casein gene. b-casein gene ulated primarily by a composite response ich integrates signaling from the lactogenic thin and hydrocortisone in mammary epithelial as as a negative regulator of b-casein gene regnancy by interfering with Stat5 tyrosine	f

- VALIDATION IMAGES -



Sample: Lane 1: Milk (Goat) Lysate at 2 ug Lane 2: Milk (Cow) Lysate at 30 ug Lane 3: Milk (Cow) Lysate at 3 ug Lane 4: Milk (Human) Lysate at 30 ug Primary: Anti-Beta-casein (bs-0466R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kD Observed band size: 25-29 kD

- SELECTED CITATIONS -

- [IF=6.1] Liping Xie. et al. Methionine Promotes Milk Synthesis through the BRCC36-BRG1-mTOR Signaling Axis in
- Mammary Epithelial Cells. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB ;MOUSE. 38240727
- [IF=5.895] Xinling Wang. et al. Enhancement of BCAT2-Mediated Valine Catabolism Stimulates β-Casein Synthesis via

the AMPK-mTOR Signaling Axis in Bovine Mammary Epithelial Cells. J AGR FOOD CHEM. 2022;XXXX(XXX):XXX-XXX WB,IF ;Bovine. 35916279

- [IF=6.117] Gang Lin. et al. ARID1B blocks methionine-stimulated mTOR activation to inhibit milk fat and protein synthesis in and proliferation of mouse mammary epithelial cells. J NUTR BIOCHEM. 2023 Jan;:109274 IF ;Mouse. 36681308
- [IF=6.048] Hao Qi. et al. Methionine and leucine induce ARID1A degradation to promote mTOR expression and milk synthesis in mammary epithelial cells. J Nutr Biochem. 2021 Nov;:108924 WB,IF ;COW. 34843932
- [IF=5.561] Xinyang Fan. et al. CEBPA-Regulated Expression of SOCS1 Suppresses Milk Protein Synthesis through mTOR and JAK2-STAT5 Signaling Pathways in Buffalo Mammary Epithelial Cells. FOODS. 2023 Jan;12(4):708 WB ;Bovine. 36832783