

Product datasheet

anti-Calicin (N-terminus) guinea pig polyclonal, serum

Short overview

Cat. No.	GP-SH3
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic N-terminal domain (aa 1-24) of bovine calicin, coupled to KLH
Formulation	Contains 0.09% sodium azide
UniprotID	Q28068 (Bovine), Q13939 (Human), Q8CDE2 (Mouse), G1SCE3 (Rabbit), Q5XI58 (Rat)
Synonym	Calicin, CCIN
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Bovine, Human, Mouse, Rabbit, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:100
Western Blot (WB)	1:2,000

Background

Reactive polypeptide (specificity): sperm head calyx protein calicin (MW 66,889; IEP 8.1; 588 amino acids), testis specific cytoskeletal protein. Homologue to kelch protein of the ring canal structure of Drosophila ovaries. Useful to study spermiogenetic differentiation. Calicin is absent from pathologic forms like round-headed or other post-acrosomal sheath defect sperm malformations.

Product images



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References

Publication	Species	Application
Xiao-Zhen Zhang, Lin-Lin Wei, Hui-Juan Jin, Xiao-Hui Zhang, Su-Ren Chen. The perinuclear theca protein Calicin helps shape the sperm head and maintain the nuclear structure in mice.. Cell Rep 40, 111049, (2022)	mouse	WB
von Bålow, M., Heid, H., Hess, H. & Franke, W. W. Molecular nature of calicin, a major basic protein of the mammalian sperm head cytoskeleton. Exp. Cell Res. 219, 407-413 (1995).	bovine	WB