Product datasheet

anti-Butyrophilin guinea pig polyclonal, serum

Short overview

Cat. No.	GP153
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Butyrophilin purified from bovine milk fat globule membrane
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	P18892 (Bovine),Q13410 (Human),Q62556 (Mouse),Q6EHI2 (Rat)
Synomym	Butyrophilin subfamily 1 member A1, BT, BTN1A1, BTN
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, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:100-1:200
Immunohistochemistry (IHC) - paraffin	1:100-1:200 (microwave treatment recommended)
Western Blot (WB)	1:2,000

Background

The antiserum reacts specifically with butyrophilin, a unique 67 kD polypeptide present only in lactating mammary gland epithelium and in the milk fat globule membrane (MFGM). No cross-reaction with other MFGM proteins. Butyrophilins have recently been described as a new family of immunoregulators, similar to the co-stimulatory and co-inhibitory family of B7 molecules.

Product images



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References

Publication	Species	Application
Franke, W. W. et al. Antibodies to the major insoluble milk fat globule membrane-associated protein: Specific location in apical regions of lactating epithelial cells. J. Cell Biol. 89, 485-494 (1981).	bovine	WB,IHC (frozen)