

## Product datasheet

### anti-Butyrophilin guinea pig polyclonal, serum

#### Short overview

<b>Cat. No.</b>	GP153
<b>Quantity</b>	100 µl

#### Product description

<b>Host</b>	Guinea pig
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Butyrophilin purified from bovine milk fat globule membrane
<b>Formulation</b>	Contains 0.09% sodium azide and 0.5% BSA
<b>UniprotID</b>	P18892 (Bovine),Q13410 (Human),Q62556 (Mouse),Q6EHI2 (Rat)
<b>Synonym</b>	Butyrophilin subfamily 1 member A1, BT, BTN1A1, BTN
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Stabilized antiserum
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	IHC, WB
<b>Reactivity</b>	Bovine, Human, Mouse, Rat

#### Applications

<b>Immunohistochemistry (IHC) - frozen</b>	1:100-1:200
<b>Immunohistochemistry (IHC) - paraffin</b>	1:100-1:200 (microwave treatment recommended)
<b>Western Blot (WB)</b>	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
<a href="#">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).</a>	bovine	WB,IHC (frozen)