

## Product datasheet

### anti-Perilipin 3 (mouse N-Terminus) guinea pig polyclonal, serum

#### Short overview

<b>Cat. No.</b>	GP36
<b>Quantity</b>	100 µl

#### Product description

<b>Host</b>	Guinea pig
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Synthetic peptide of murine TIP47 N-terminus (aa 1-14), MSSNGTDAPAEQA-C
<b>Formulation</b>	Contains 0.09% sodium azide and 0.5% BSA
<b>Stability</b>	Guinea pig polyclonal (mNT)
<b>UniprotID</b>	Q9DBG5 (Mouse), M0RA08 (Rat)
<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>	Mouse, Rat
<b>No reactivity</b>	Human

#### 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

TIP47 (tail-interacting protein of 47 kD, also named PLIN3) is involved in lipid droplet maturation. The protein has been localized on the surface of lipid droplets present in many cells and tissues, especially in milk fat globule membranes of human and bovine origin. TIP47 shows about 40% sequence homology to adipophilin. The GP36 antiserum, however, is specific for TIP47/PLIN3 and does not cross-react with adipophilin and perilipin or other proteins of the PLIN/PAT family.

MW 47 262 (calculated from aa sequence data); apparent 52 000 (after SDS-PAGE); pI = 5.45

Reactivity on cultured cell lines: 3T3 and OP9 cells (mouse)

## Product images



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## References

Publication	Species	Application
<a href="#">Zouiouich, M. et al. MOSPD2 is an endoplasmic reticulum-lipid droplet tether functioning in LD homeostasis., J Cell Biol 221, (2022).</a>	human	ICC-IF