

## Product datasheet

### anti-p100 Nuclear Coactivator Protein guinea pig polyclonal, serum

#### Short overview

<b>Cat. No.</b>	GP25
<b>Quantity</b>	100 µl

#### Product description

<b>Host</b>	Guinea pig
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Synthetic duplicated C-terminus of human p100 protein conjugated to KLH
<b>Formulation</b>	Contains 0.09% sodium azide and 0.5% BSA
<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, Drosophila, Human, Mouse, Rat

#### Applications

<b>Immunohistochemistry (IHC) - frozen</b>	1:100-1:200
<b>Western Blot (WB)</b>	1:2,000

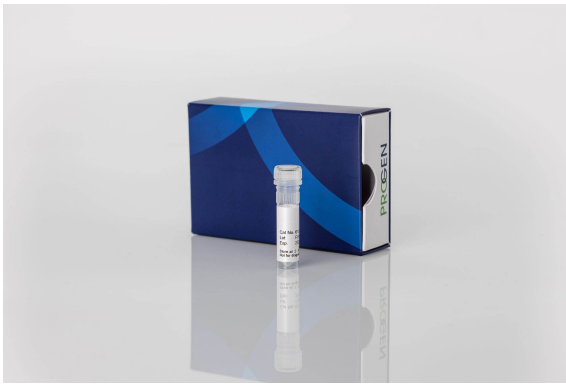
#### Background

p100 is a ubiquitously expressed protein highly conserved during evolution, enhancing e.g. transcriptional activity of EBNA2 of EBV, bridging STAT6 with the basal transcription machinery, also described as a part of the RNA polymerase II holoenzyme (Yang et al.). The antiserum localized p100 also in the ER and lipid droplets of milk secreting cells. In addition to the nuclear localization the protein was also detected in cytosolic fractions from lactating mammary gland, in storage lipid droplets from adipocytes and in ER from liver (Keenan et al.).

Reactivity on cultured cell lines: BMGE (bovine mammary epithelial cells).

Yang J, Aittomäki S, Pesu M, Carter K, Saarinen J, Kalkkinnen N, Kieff E, Silvennoinen O: Identification of p100 as a coactivator for STAT6 that bridges STAT6 with RNA polymerase II. EMBO J 21, 4950-4958 (2002). Keenan TW, Winter S, Rackwitz HR, Heid HW: Nuclear coactivator protein p100 is present in endoplasmic reticulum and lipid droplets of milk secreting cells. Biochim Biophys Acta 1523, 84-90 (2000).

#### Product images



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## References

Publication	Species	Application
<a href="#">Keenan, T. W., Winter, S., Rackwitz, H.-R. &amp; Heid, H. W. Nuclear coactivator protein p100 is present in endoplasmic reticulum and lipid droplets of milk secreting cells. Biochim. Biophys. Acta - Gen. Subj. 1523, 84-90 (2000).</a>	mouse,rat,bovine	WB,ICC-IF

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