

Product datasheet

anti-p100 Nuclear Coactivator Protein guinea pig polyclonal, serum

Short overview

Cat. No.	GP25
Quantity	100 µl

Product description

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

Applications

Immunohistochemistry (IHC) - frozen	1:100-1:200
Western Blot (WB)	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
Keenan, T. W., Winter, S., Rackwitz, H.-R. & 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).	mouse, rat, bovine	WB, ICC-IF