

Agrisera

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contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no **AS04 041**
THP | Allopregnanolone

Product information

Background	Allopregnanolone , (3alpha-hydroxy-5alpha-pregnan-20-ol), also known as 3alpha,5alpha-tetrahydroprogesterone or THP , is a neuroactive steroid secreted by the mammalian ovary and adrenal. It exerts its anesthetic, anxiolytic, and sedative/hypnotic effects through potentiation of GABA A receptors and its release is stimulated by trophic hormones in relation to stress and reproductive hormone secretion.
Immunogen	<u>BSA</u> conjugated-allopregnanolone
Host	Chicken
Clonality	Polyclonal
Purity	Total IgY
Format	Liquid in PBS pH 8.0, 0.02% sodium azide
Quantity	100 µl
Storage	Store at 4 °C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.
Tested applications	Radioimmunoassay (RIA)
Related products	<u>AS04 041S</u> Allopregnanolone steroid standard
Additional information	100 µl will be enough to perform 60 double samples, generating standard curve and blank Waters column Symmetry C18 3.5µm 4.6 x 75mm with 3.9 x 20mm as guard column has been used

Application information

Recommended dilution	1 : 1000 (RIA)
Confirmed reactivity	Allopregnanolone
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Selected references	<u>Cumberland</u> et al. (2017). Effects of combined IUGR and prenatal stress on the development of the hippocampus in a fetal guinea pig model. J Dev Orig Health Dis. 2017 May 15:1-13. doi: 10.1017/S2040174417000307. <u>Bennett</u> et al. (2015). Prenatal Stress Alters Hippocampal Neuroglia and Increases Anxiety in Childhood. Dev Neurosci. 2015 Aug 13. <u>Rault</u> et al. (2015). Allopregnanolone and social stress: regulation of the stress response in early pregnancy in pigs. Stress. 2015 Jun 11:1-9. <u>Boher</u> et al. (2014). The effects of betamethasone on allopregnanolone concentrations and brain development in preterm fetal sheep. J Exp Bot. 2013 Aug;64(11):3225-36. doi: 10.1093/jxb/ert163.

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