

Trophoblast

The **trophoblast** is a layer of flat to cubical cells forming **the outer layer of the blastocyst epithelium** (outer cell mass), which differentiates into the amniotic sac and the placenta (extraembryonic tissue of the embryo). It mediates the **nidation of the egg** (using trophoblast L-selectin binding to endometrial carbohydrate receptors, trophoblast integrins, laminin and endometrial intercellular mass fibronectin), then proliferates and differentiates into two layers:

- inner layer: cytotrophoblast;
- outer layer: syncytiotrophoblast.

Links

Related articles

- First week of embryonal development
- Portal Embryology
- Prenatal period
- Amniotic sac and placenta
- Placenta

References

- VOKURKA, Martin – HUGO, Jan, et al. *Velký lékařský slovník*. 9. edition. Praha : Maxdorf, 2009. pp. 1159. ISBN 978-80-7345-202-5.
- SADLER, Thomas, W – SINHA, M.D. *Langmanova lékařská embryologie*. 1. edition. Praha : Grada, 2011. pp. 414. ISBN 978-80-247-2640-3.

