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Sentence 1: The Hippo signaling pathway components Lats and Yap pattern Tead4 activity to distinguish mouse trophectoderm from inner cell mass.

Sentence 2: Outside cells of the preimplantation mouse embryo form the trophectoderm (TE), a process requiring the transcription factor Tead4.

Sentence 3: Here, we show that transcriptionally active Tead4 can induce Cdx2 and other trophoblast genes in parallel in embryonic stem cells.

Sentence 4: In embryos, the Tead4 coactivator protein Yap localizes to nuclei of outside cells, and modulation of Tead4 or Yap activity leads to changes in Cdx2 expression.

Sentence 5: In inside cells, Yap is phosphorylated and cytoplasmic, and this involves the Hippo signaling pathway component Lats.

Sentence 6: We propose that active Tead4 promotes TE development in outside cells, whereas Tead4 activity is suppressed in inside cells by cell contact- and Lats-mediated inhibition of nuclear Yap localization.

Sentence 7: Thus, differential signaling between inside and outside cell populations leads to changes in cell fate specification during TE formation.

Legend of colors:

- Target sentence(s);
- Biological terms;
- Biointeraction terms;
- Biological concept(s).

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Biological terms co-occurrences with concepts

Type	Sentence	Pair 1	Pair 2	Biointeractions
1	3	CDX2	TEAD4	induce
1	4	CDX2	TEAD4	localizes activity
2	3	CDX2	TEAD4	
2	4	CDX2	TEAD4	
3	3	CDX2	TEAD4	active induce

