

Cyclophilin A

Cyclophilin A (CypA) is a cytosolic [protein](#) that belongs to the peptidyl-prolyl isomerase (PPIase) family and the major intracellular target of the immunosuppressive drug [cyclosporin A](#) (CsA).

Increased serum cyclophilin A concentrations could reflect trauma severity and unfavorable outcome after [head trauma](#), substantializing cyclophilin A as a potential [biomarker](#) for prognostic prediction of TBI ¹⁾.

Cyclophilin A has been found to be involved in many inflammatory diseases via its receptor, cluster of differentiation 147 ([CD147](#)).

Cyclophilin A/CD147 interactions may participate in [subarachnoid hemorrhage](#)-induced early [brain injury](#) via increasing neuronal [apoptosis](#) pathway, at least partly through the ERK1/2-nuclear factor-κB pathway. Cyclophilin A/CD147 may be a suitable therapeutic target for subarachnoid hemorrhage ²⁾.

Results provide evidence for the important contribution of CypA as a pertinent component acting through NF-κB-Sox9 in regulation of chondrogenesis signaling. These findings are important to better understand signal-induced chondrogenesis of chondrogenic progenitors in physiological and pathophysiological contexts ³⁾.

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