

# MYD88

**MYD88 Innate Immune Signal Transduction Adaptor** This gene encodes a cytosolic adapter protein that plays a central role in the innate and adaptive immune response. This protein functions as an essential signal transducer in the interleukin-1 and Toll-like receptor signaling pathways.

Available evidence suggests that MYD88 is dispensable for human resistance to common viral infections and to all but a few pyogenic bacterial infections, demonstrating a major difference between mouse and human immune responses.

Mutation in MYD88 at position 265 leading to a change from leucine to proline have been identified in many human lymphomas including ABC subtype of diffuse large B-cell lymphoma and [Waldenstrom macroglobulinemia](#).

## MYD88 for Primary Central Nervous System Lymphoma Diagnosis

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