

**Product:** Anti-IRAK2 (C2)  
**Catalog #:** 12-2123  
**Amount:** 25 mg

---

**CATEGORY:**  
**DESCRIPTION:**

**Rabbit Polyclonal**

A serine/threonine protein kinase associated with IL-1 receptor (IRAK) and its homologue mouse pelle-like protein kinase (mPLK) were identified recently. A novel member in the IRAK/Pelle family was recently identified and designated IRAK2. Both IRAK and IRAK2 recruit to the subunits of the IL-1R complex after IL-1 binding and lead to NF- $\kappa$ B activation. IRAKs also associate with Toll like receptor (TLR) and the dominant negative mutants of IRAKs inhibit LPS-induced NF- $\kappa$ B activation. Members in IRAK/Pelle family play a central role in IL-1R and TLR mediated inflammatory response. IRAK2 is expressed in a variety of human tissues.

**FORM:**  
**IMMUNOGEN:**

Purified Ig Fraction in PBS containing 0.02% Sodium Azide  
A peptide corresponding to amino acids 546 to 564 of human IRAK2

**APPLICATION:**  
**REACTIVITY/SPECIES:**  
**RECOMMENDED FOR POSITIVE CONTROL:**

Immunoblotting (min. dilution 1:500)  
Human (no cross reactivity with IRAK)

**STORAGE:**

HeLa cells lysate or whole lysate from K562 cells (65 kDa band should be detected)  
2-8°C for immediate use, or at -20°C (aliquot)

**12-2123-1 Blocking peptide available**

**REFERENCES:**

Muzio, M. et al. (1997) *Science* **278**: 1612-1615  
Zhang, FX. et al. (1999) *J. Biol. Chem.* **274**: 7611-7614  
Yang, RB. et al. (1999) *J Immunol.* **163**: 639-643

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.