

## IRAK-4 Polyclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 56412

**Size:** 100ug IgG (1mg/ml) in PBS, pH 7.4, purified by immunoaffinity chromatography.

### BACKGROUND

IRAK-4 activates the NF- $\kappa$ B and MAPK pathways and plays a role in IL-1R mediated inflammatory responses and innate immunity. IRAK-4-deficient animals are resistant to challenge with LPS and are impaired in their responses to viral and bacterial challenges.

### SPECIFICATION SUMMARY

**Antigen:** A synthetic peptide corresponding to amino acids at the carboxy terminus of human IRAK-4.

**Host Species:** Rabbit

**Preservative:** 0.02% sodium azide

### SPECIFICITY

This antibody specifically recognizes human IRAK-4 (IL-1 Receptor Associated Kinase-4). This antibody does not cross-react with other IRAKs.

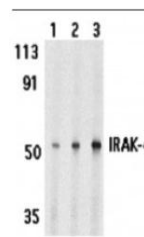
### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system

*For in vitro investigational use only. Not for use in diagnostic or therapeutic procedures.*

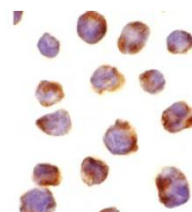
### APPLICATIONS

**Immunoblotting:** Use at 1-4ug/ml. A band of approximately 50kDa is detected.



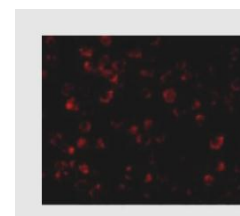
IRAK-4 in HeLa cell lysate detected with #56412 at 1, 2, and 3ug/ml.

**Immunocytochemistry:** Use at 10ug/ml.



IRAK-4 in K562 cells with #56412 at 10ug/ml.

**Immunofluorescence:** Use at 10ug/ml.



IRAK-4 in K562 cells with #56412 at 10ug/ml.

These are recommended concentrations.

Enduser should determine optimal concentrations for their applications.

### STORAGE AND STABILITY

Stable for one year at -20°C. Store in appropriate aliquots to avoid multiple freeze-thaw cycles.