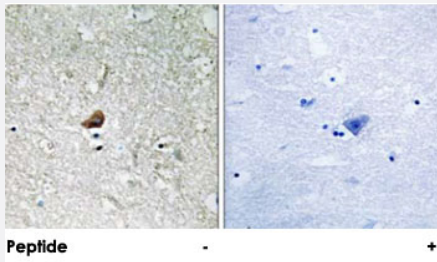


# IRAK1 polyclonal antibody

Catalog # PAB18514      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using IRAK1 polyclonal antibody (Cat # PAB18514).

Peptide "+" means "peptide blocking".

## Specification

**Product Description** Rabbit polyclonal antibody raised against synthetic peptide of IRAK1.

**Immunogen** A synthetic peptide corresponding to human IRAK1.

**Host** Rabbit

**Reactivity** Human

**Specificity** This antibody is specific to IRAK1.

**Form** Liquid

**Purification** Affinity purification

**Concentration** 1 mg/mL

**Recommend Usage** Immunohistochemistry (1:50-1:100)  
ELISA (1:5000)  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using IRAK1 polyclonal antibody (Cat # PAB18514).  
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — IRAK1

**Entrez GeneID**[3654](#)**Protein Accession#**[P51617](#)**Gene Name**

IRAK1

**Gene Alias**

IRAK, pelle

**Gene Description**

interleukin-1 receptor-associated kinase 1

**Omim ID**[300283](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

OTTHUMP00000026014|OTTHUMP00000026020|Pelle homolog

## Publication Reference

- [IRAK1b, a novel alternative splice variant of interleukin-1 receptor-associated kinase \(IRAK\), mediates interleukin-1 signaling and has prolonged stability.](#)

Jensen LE, Whitehead AS.

The Journal of Biological Chemistry 2001 Aug; 276(31):29037.

Application: WB-Ce, WB-Tr, Human, HepG2 cells

- [Comparative sequence analysis of the MECP2-locus in human and mouse reveals new transcribed regions.](#)

Reichwald K, Thiesen J, Wiehe T, Weitzel J, Poustka WA, Rosenthal A, Platzer M, Stratling WH, Kioschis P.

Mammalian Genome 2000 Mar; 11(3):182.

## Pathway

- [Apoptosis](#)
- [Neurotrophin signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

## Disease

- [Arthritis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypertension](#)
- [Kidney Diseases](#)
- [Lupus Erythematosus](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Sepsis](#)
- [Shock](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)
- [Translocation](#)
- [Werner syndrome](#)