

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08674 - Goat Anti-IRAK3 (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** IRAK3, interleukin-1 receptor-associated kinase 3, ASRT5, IRAK-M, IRAKM, interleukin-1 receptor-associated kinase M

**Official Symbol:** IRAK3

**Accession Number(s):** NP\_082955.2

**Non-Human GeneID(s):** 73914 (mouse), 314870 (rat)

### Immunogen

Peptide with sequence C-GHSYGSKPMEKR, from the internal region (near the C Terminus) of the protein sequence according to NP\_082955.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 65-70kDa band observed in Rat Liver lysates, and in preliminary testing of Rat Adrenal Gland lysate (calculated MW of 69.0kDa according to Rat, NP\_001101571.1 and 67.8kDa according to Mouse NP\_082955.2). Recommended concentration: 0.03-0.1µg/ml. Primary incubation 1 hour at room temperature.

A customer detected a band at approx. 70kDa in Mouse Bone Marrow lysates, which was not present in the knock-out mouse.

### Species Reactivity

**Tested:** Mouse, Rat

**Expected from sequence similarity:** Mouse, Rat

### Specific Reference

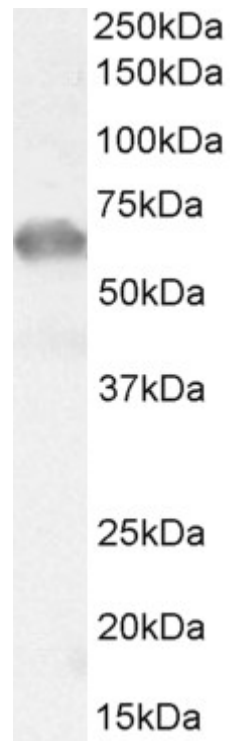
**This antibody has been successfully used in the following paper:**

Gurcan Tunalı, Marta Rúbies Bedós, Divya Nagarajan, Patrik Fridh, Irineos Papakyriacou, Yumeng Mao

IL-1 receptor-associated kinase-3 acts as an immune checkpoint in myeloid cells to limit cancer immunotherapy

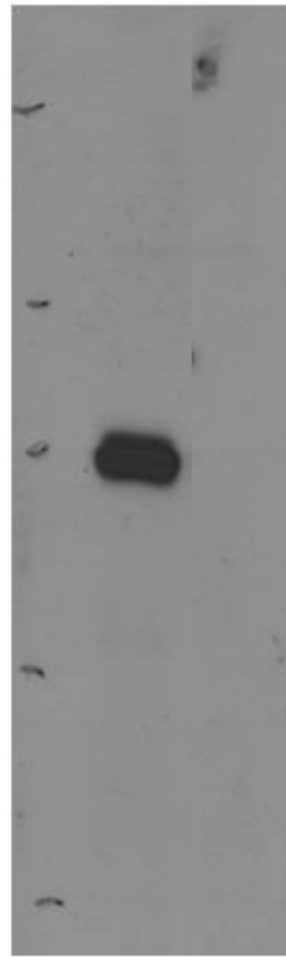
J Clin Invest. 2023 Apr 3;133(7):e161084.

PMID: 36757800

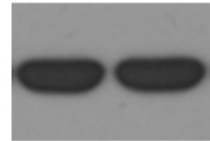


B08674 (0.1ug/ml) staining of Rat Liver lysate (35µg protein in RIPA buffer). Detected with chemiluminescence.

72 kd



Beta Actin



EB08674 (0.5 $\mu$ g/ml) staining of Mouse Bone Marrow (wildtype first lane, KO second lane) lysates (35 $\mu$ g protein in RIPA buffer). Primary incubation was overnight at 4C Detected with chemiluminescence. Data obtained from anonymous customer.