

## IRAK1 (T381) polyclonal antibody

Catalog: BS1541

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Three structurally related ligands for IL-1Rs have been described. These include two agonists, IL-1 $\alpha$  and IL-1 $\beta$ , and a specific receptor antagonist, IL-1Ra. Two distinct receptors designated IL-1RI and IL-1RII have been identified, each of which belong to the Ig superfamily. The preponderance of evidence suggests IL-1RI to be the functional IL-1 receptor. Binding of IL-1 to its cognate receptor results in the activation of the NF $\kappa$ B signaling pathway. The IL-1-dependent kinase termed IRAK (for IL-1 receptor-associated kinase) co-immunoprecipitates with activated IL-1RI and has been implicated as an upstream mediator of NF $\kappa$ B activation. Additional support for this assertion comes from the fact that a related Drosophila protein, Pelle, is a known upstream activator of Dorsal, the Drosophila homolog of NF $\kappa$ B.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 76 kDa

### Swiss-Prot:

P51617

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IF: 1:50~1:200

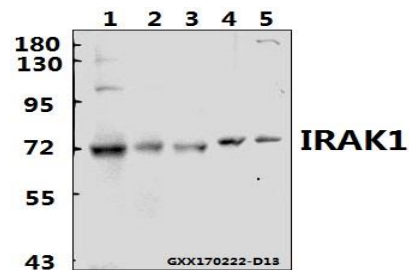
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

IRAK1 (T381) polyclonal antibody detects endogenous levels of IRAK1 protein.

### DATA:



Western blot (WB) analysis of IRAK1 (T381) polyclonal antibody at 1:500 dilution

Lane1:L02 whole cell lysate(40ug)

Lane2:THP-1 whole cell lysate(40ug)

Lane3:HCT116 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:CT26 whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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