

# Tollip (H-164): sc-292758

## BACKGROUND

Tollip (Toll-interacting protein) serves as a suppressor of innate immunity signaling and links the serine/threonine kinase IRAK to the IL-1 receptor complex upon receptor activation. Overexpression of Tollip in HEK293 cells inhibits NF $\kappa$ B activation in response to TLR2 and TLR4 signaling. Negative regulation of TLR signaling by Tollip may limit the production of proinflammatory mediators during inflammation and infection. Tollip forms a complex with Tom1 to regulate endosomal trafficking of ubiquitinated proteins. The Tollip protein shows ubiquitous expression in mouse.

## REFERENCES

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7. Katoh, Y., et al. 2006. Recruitment of Clathrin onto endosomes by the Tom1-Tollip complex. *Biochem. Biophys. Res. Commun.* 341: 143-149.
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## CHROMOSOMAL LOCATION

Genetic locus: TOLLIP (human) mapping to 11p15.5; Tollip (mouse) mapping to 7 F5.

## SOURCE

Tollip (H-164) is a rabbit polyclonal antibody raised against amino acids 57-220 mapping within an internal region of Tollip of human origin.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

Tollip (H-164) is recommended for detection of Tollip of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Tollip (H-164) is also recommended for detection of Tollip in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for Tollip siRNA (h): sc-63332, Tollip siRNA (m): sc-63333, Tollip shRNA Plasmid (h): sc-63332-SH, Tollip shRNA Plasmid (m): sc-63333-SH, Tollip shRNA (h) Lentiviral Particles: sc-63332-V and Tollip shRNA (m) Lentiviral Particles: sc-63333-V.

Molecular Weight of Tollip: 28 kDa.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.


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Try **Tollip (k1B17): sc-136152**, our highly recommended monoclonal alternative to Tollip (H-164).