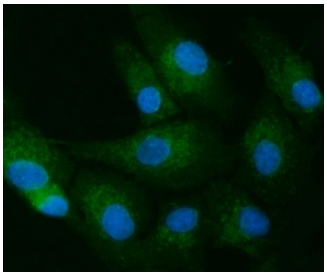
Toll-interacting protein Antibody / TOLLIP (RQ7574)

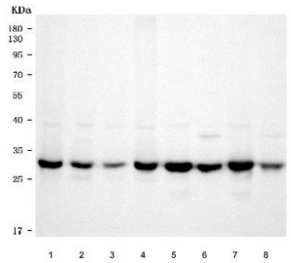
Catalog No.	Formulation	Size
RQ7574	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

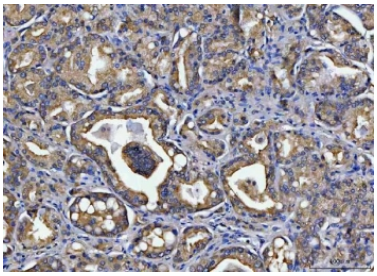
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H0E2
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Toll-interacting protein antibody is available for research use only.



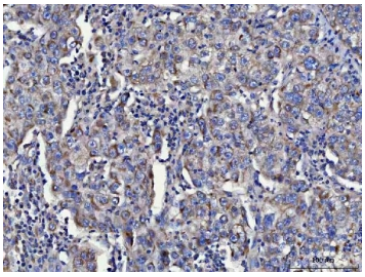
Immunofluorescent staining of FFPE human A549 cells with Toll-interacting protein antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



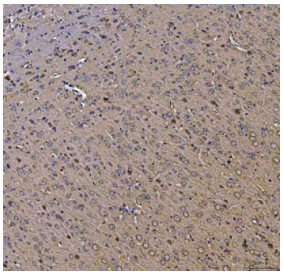
Western blot testing of 1) human RT4, 2) human U-2 OS, 3) human HeLa, 4) human HepG2, 5) rat brain, 6) rat liver, 7) mouse brain and 8) mouse liver tissue lysate with Toll-interacting protein antibody. Expected molecular weight ~30 kDa.



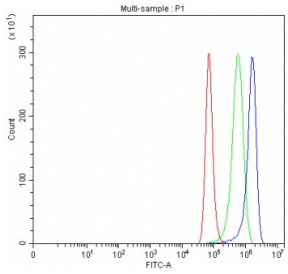
IHC staining of FFPE human prostate cancer tissue with Toll-interacting protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human cervical cancer tissue with Toll-interacting protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with Toll-interacting protein antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Flow cytometry testing of human HeLa cells with Toll-interacting protein antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Toll-interacting protein antibody.

Description

TOLLIP (TOLL-Interacting Protein) is an inhibitory adaptor protein that in humans is encoded by the TOLLIP gene. Lo et al.(2009) stated that the TOLLIP gene maps to chromosome 11. The mouse gene maps to chromosome 7. By western blot analysis of embryonic kidney cells, Burns et al.(2000) confirmed the binding of TOLLIP to IL1RAP, to a complex of IL1RAP-IL1R1, and to IL18R. Burns et al.(2000) proposed that IL1B stimulation induces aggregation of IL1Rs, recruitment of MYD88 followed by TOLLIP-IRAK complexes, and the phosphorylation of IRAK by MYD88. This leads to the dissociation of TOLLIP from IRAK, which can then transmit the IL1-induced signals.

Application Notes

Optimal dilution of the Toll-interacting protein antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-P274) was used as the immunogen for the Toll-interacting protein antibody.

Storage

After reconstitution, the Toll-interacting protein antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.