Human/Rat Tollip Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 503315

Catalog Number: FAB4678U

100 µg

DESCRIPTION

Species Reactivity	Human/Rat
Specificity	Detects human and rat Tollip in Western blots.
Source	Monoclonal Mouse IgG_{2A} Clone # 503315
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human Tollip Met1-Pro274 Accession # Q9H0E2
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Tollip (Toll-interacting protein) is a 28 kDa, cytoplasmic protein that is involved in IL-1 and Toll receptor signaling. It is classified as an adaptor protein that performs multiple functions. It binds both IRAK and Toll receptors, inhibiting constitutive IL-1 and Toll receptor signaling. It also binds to ubiquinated IL-1 RI, directing it to the endosomal degradation compartment. Human Tollip is 274 amino acids(aa) in length. It contains a C2 Ca^{++}-binding region (aa 54-154) and a CUE domain (aa 229-270) that binds ubiquitin. One potential splice form exists that shows a deletion of aa 6-33. Human Tollip is 92% identical to mouse Tollip.

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