

TRIM 46

Cat.No. 377 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: not tested yet IP: not tested yet ICC: 1 : 500 IHC: 1 : 500 IHC-P/FFPE: 1 : 500
Immunogen	Recombinant protein corresponding to AA 1 to 561 from rat Trim46 (UniProt Id: A0A0G2JXN2)
Reactivity	Reacts with: rat (A0A0G2JXN2), mouse (Q7TNM2). Other species not tested yet.
Specificity	Specific for TRIM 46

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The tripartite motif containing protein **TRIM 46**, also referred to as **TRIFIC**, is a member of the C-I TRIM family, a subfamily of the RBCC (N-terminal RING finger/B-box/coiled coil)/TRIM superfamily. TRIM 46 localizes to newly specified axons and, at later stages, to the axon initial segment (AIS). By forming closely spaced parallel microtubule bundles it plays a crucial role in the initial polarization of neuronal cells.

Selected References SYSY Antibodies

The Kohlschütter-Tönz syndrome associated gene Rogdi encodes a novel presynaptic protein.
Riemann D, Wallrafen R, Dresbach T
Scientific reports (2017) 7(1): 15791. **ICC; tested species: rat**

Selected General References

TRIM46 Controls Neuronal Polarity and Axon Specification by Driving the Formation of Parallel Microtubule Arrays.
van Beuningen SF, Will L, Harterink M, Chazeau A, van Battum EY, Frias CP, Franker MA, Katrukha EA, Stucchi R, Vocking K, Antunes AT, et al.
Neuron (2015) 88(6): 1208-26.