

## 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.

## TRIM 46

Cat.No. 377 005; Polyclonal Guinea pig antibody, 50 µg specific antibody (lyophilized)

### Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Guinea pig serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> not tested yet <b>IP:</b> not tested yet <b>ICC:</b> 1 : 500 <b>IHC:</b> 1 : 500 <b>IHC-P/FFPE:</b> 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.