

For Research Use Only

TRIM46 Recombinant antibody

Catalog Number: 83614-5-RR



Basic Information

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|---|---|---|
| Catalog Number: 83614-5-RR | GenBank Accession Number: BC069416 | Purification Method: Protein A purification |
| Size: 1000 µg/ml | GeneID (NCBI): 80128 | CloneNo.: 240557C2 |
| Source: Rabbit | UNIPROT ID: Q7Z4K8 | Recommended Dilutions: IF/ICC 1:125-1:500 |
| Isotype: IgG | Full Name: tripartite motif-containing 46 | |
| Immunogen Catalog Number: AG15290 | Calculated MW: 759 aa, 83 kDa | |

Applications

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| Tested Applications: IF/ICC, FC (Intra), ELISA | Positive Controls: IF/ICC : HepG2 cells, |
| Species Specificity: human | |

Background Information

Tripartite motif-containing protein 46 (TRIM46), a microtubule-associated protein, is involved in the formation of parallel microtubule bundles linked by cross-bridges in the proximal axon. Required for the uniform orientation and maintenance of the parallel microtubule fascicles, which are important for efficient cargo delivery and trafficking in axons. Thereby also required for proper axon specification, the establishment of neuronal polarity, and proper neuronal migration. The TRIM46 protein reported in previous studies includes the long isoform TRIM46L (83 kDa) and the short isoform TRIM46S (60 kDa).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

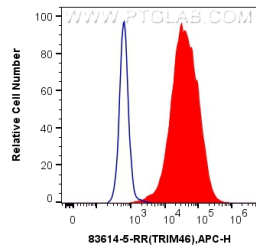
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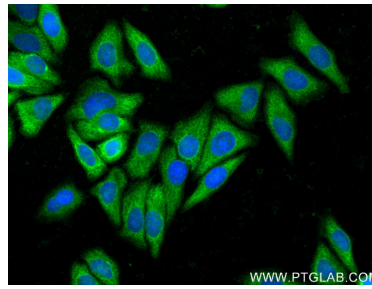
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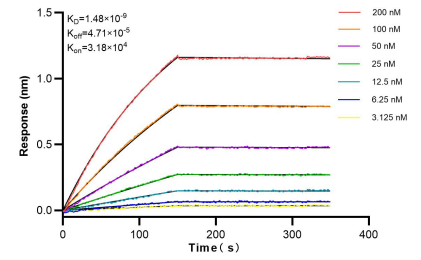
Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 0.2 μ g TRIM46 Recombinant antibody (83614-5-RR, Clone:240557C2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.2 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using TRIM46 antibody (83614-5-RR, Clone: 240557C2) at dilution of 1:250 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



Bi-layer interferometry (BLI) kinetic assays of 83614-5-RR against Human TRIM46 were performed. The affinity constant is 1.48 nM.