

Mover

Cat.No. 248 003; 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: 1 : 1000 IP: not tested yet ICC: 1 : 200 up to 1 : 500 IHC: 1 : 100 IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 266 from rat Mover (UniProt Id: A8WCF8)
Reactivity	Reacts with: rat (A8WCF8), mouse (Q9DBS2). Other species not tested yet.
Specificity	Specificity for mover. (K.D. verified)

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

Mover, also referred to as TPRG1L, is a presynaptic protein that is enriched in the synaptic vesicle fraction. In vivo studies reveal co-localization of mover with classical pre-synaptic markers like synaptotagmin 1, synaptophysin and bassoon. Depending on the brain region examined mover differentially localizes to inhibitory or excitatory subsets of synapses.

Selected References SYSY Antibodies

The Kohlschütter-Tönnz 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**

Bassoon-disruption slows vesicle replenishment and induces homeostatic plasticity at a CNS synapse.
Mendoza Schulz A, Jing Z, Sánchez Caro JM, Wetzel F, Dresbach T, Strenzke N, Wichmann C, Moser T
The EMBO journal (2014) 33(5): 512-27. **IHC**

The Presynaptic Protein Mover Is Differentially Expressed Across Brain Areas and Synapse Types.
Wallrafen R, Dresbach T
Frontiers in neuroanatomy (2018) 12: 58. **IHC; tested species: mouse**

Modulation of Presynaptic Release Probability by the Vertebrate-Specific Protein Mover.
Körber C, Horstmann H, Venkataramani V, Herrmannsdörfer F, Kremer T, Kaiser M, Schwenger DB, Ahmed S, Dean C, Dresbach T, Kuner T, et al.
Neuron (2015) 87(3): 521-33. **IHC**

Selected General References

Mover is a novel vertebrate-specific presynaptic protein with differential distribution at subsets of CNS synapses.
Kremer T, Kempf C, Wittenmayer N, Nawrotzki R, Kuner T, Kirsch J, Dresbach T
FEBS letters (2007) 581(24): 4727-33.