

Rab 5

Cat.No. 108 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: yes ICC: not tested yet IHC: not recommended IHC-P/FFPE: not tested yet
Immunogen	Synthetic peptide corresponding to AA 192 to 196 from mouse Rab5 (UniProt Id: Q9CQD1)
Reactivity	Reacts with: human (Q9UJ41), rat (M0RC99), mouse (Q9JM13). Other species not tested yet.
Specificity	Specific for Rab 5.
matching control	108-0P

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

Rab 5 is a member of the Rab protein family that belongs to the ras-related superfamily of small monomeric GTPases. Rab 5 is ubiquitously expressed in all tissues where it functions in the fusion of early endosomes which is the first fusion step of endocytic organelles after their formation and detachment from the plasma membrane. It is presently the best marker with selectivity for this compartment.

Selected References SYSY Antibodies

Effects of phosphorylation and neuronal activity on the control of synapse formation by synapsin I.
Perlini LE, Botti F, Fornasiero EF, Giannandrea M, Bonanomi D, Amendola M, Naldini L, Benfenati F, Valtorta F
Journal of cell science (2011) 124(Pt 21): 3643-53. **WB**

Selected General References

Rab GTPases coordinate endocytosis.
Somsel Rodman J, Wandinger-Ness A
Journal of cell science (2000) 113 Pt 2: 183-92.

Alzheimer amyloid protein precursor is localized in nerve terminal preparations to Rab5-containing vesicular organelles distinct from those implicated in the synaptic vesicle pathway.
Ikin AF, Annaert WG, Takei K, De Camilli P, Jahn R, Greengard P, Buxbaum JD
The Journal of biological chemistry (1996) 271(50): 31783-6.