

ASTN2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54362

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	075129
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	148243

Additional Information

Gene ID	23245
Other Names	Astrotactin-2, ASTN2, KIAA0634
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ASTN2
Synonyms	KIAA0634
Function	Mediates recycling of the neuronal cell adhesion molecule ASTN1 to the anterior pole of the cell membrane in migrating neurons. Promotes ASTN1 internalization and intracellular transport of endocytosed ASTN1 (By similarity). Selectively binds inositol-4,5- bisphosphate, inositol-3,4,5-trisphosphate and inositol-1,3,4,5- tetrakisphosphate, suggesting it is recruited to membranes that contain lipids with a phosphoinositide headgroup (Ref.6).
Cellular Location	Membrane {ECO:0000250 UniProtKB:Q80Z10}; Multi- pass membrane protein {ECO:0000250 UniProtKB:Q80Z10}. Perikaryon {ECO:0000250 UniProtKB:Q80Z10}. Cytoplasm, cell cortex {ECO:0000250 UniProtKB:Q80Z10}. Early endosome {ECO:0000250 UniProtKB:Q80Z10}. Late endosome {ECO:0000250 UniProtKB:Q80Z10}. Cytoplasmic vesicle, clathrin-coated vesicle {ECO:0000250 UniProtKB:Q80Z10}. Cytoplasmic vesicle {ECO:0000250 UniProtKB:Q80Z10}. Note=Integral membrane protein not

detected at the cell membrane. Detected in cytoplasmic vesicles in the cell cortex, close to the anterior pole of migrating neurons. Detected at the base of the leading process in migrating neurons
{ECO:0000250|UniProtKB:Q80Z10}

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