



Anti-RYK Antibody (Clone F35P7D7F5)

Alternative Names: receptor-like tyrosine kinase, receptor tyrosine kinase-related molecule, receptor related to tyrosine kinases, RYK

Catalogue Number: AX17-10009-100ug

Size: 100 µg

Background Information

Ryk is an evolutionary-conserved Wnt receptor (lin-18 in *C. elegans*) that is important to neurogenesis and axon guidance and that is involved in the regulation of developmental/postdevelopmental processes such as planar cell polarity, regeneration, and hematopoietic repopulation. It has a leucine-rich extracellular domain with a WIF-type Wnt binding region, a single transmembrane domain, and an intracellular tyrosine kinase domain (a γ -secretase cleavage product that translocates in the nucleus to control neurogenesis). Evidence has shown that Ryk regulates planar cell polarity (PCP) signaling through interacting with Vangl2.

BLAST analysis shows that the immunogen peptide sequence used in the production of this antibody has 100% homology in all vertebrates, so cross reactivity in different species is expected.

Product Information

Antibody Type:	Monoclonal	Host:	Mouse
Isotype:	IgG1 kappa	Species Reactivity:	Human, Mouse, Rat
Immunogen:	A synthetic peptide from the C-terminal region of Human Receptor Like Tyrosine Kinase (RYK)		
Format:	100 µg in 100 µl PBS containing 0.02% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	ELISA IHC WB		

Additional Information

Subcellular location:	Nucleus	MW:	67kDa (Other human Isoforms 10kDa, 16kDa, 62kDa) (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	6259	Uniprot ID:	P34925