

Anti-RYK Rabbit Monoclonal Antibody

Catalog # ABO15864

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P34925
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-RYK Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.

Additional Information

Gene ID	6259
Other Names	Tyrosine-protein kinase RYK, 2.7.10.1 {ECO:0000255 PROSITE-ProRule:PRU00159}, RYK (HGNC:10481), JTK5A
Calculated MW	67815
Application Details	WB 1:1000-1:5000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 24R41
Immunogen	A synthesized peptide derived from human RYK
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	RYK (HGNC:10481)
Synonyms	JTK5A

Function	May be a coreceptor along with FZD8 of Wnt proteins, such as WNT1, WNT3, WNT3A and WNT5A. Involved in neuron differentiation, axon guidance, corpus callosum establishment and neurite outgrowth. In response to WNT3 stimulation, receptor C-terminal cleavage occurs in its transmembrane region and allows the C-terminal intracellular product to translocate from the cytoplasm to the nucleus where it plays a crucial role in neuronal development.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Nucleus {ECO:0000250 UniProtKB:Q01887} Cytoplasm {ECO:0000250 UniProtKB:Q01887}. Note=In cells that have undergone neuronal differentiation, the C-terminal cleaved part is translocated from the cytoplasm to the nucleus {ECO:0000250 UniProtKB:Q01887}
Tissue Location	Observed in all the tissues examined.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.