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RYK Rabbit mAb

Catalog # AP76288

Product Information

Application	WB, IHC-P, FC, IP
Primary Accession	P34925
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	67815

Additional Information

Gene ID	6259
Other Names	RYK
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:20-1:100 IP~~1:10-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

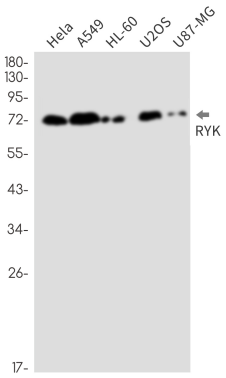
Name	RYK (HGNC:10481)
Synonyms	JTK5A
Function	May be a coreceptor along with FZD8 of Wnt proteins, such as WNT1, WNT3, WNT3A and WNT5A. Involved in neuron differentiation, axon guidance, corpus callosum establishment and neurite outgrowth. In response to WNT3 stimulation, receptor C-terminal cleavage 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.

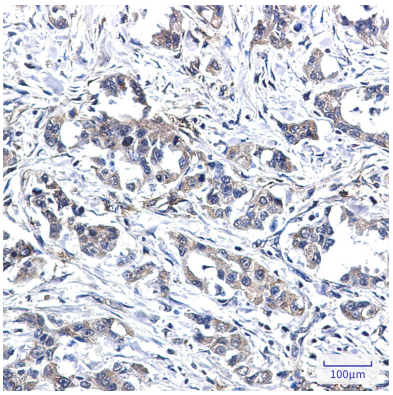
Background

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.

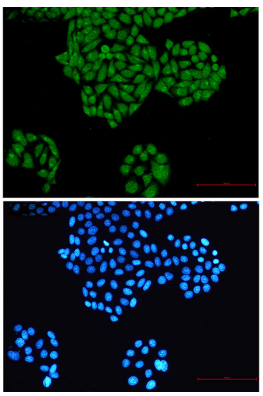
Images



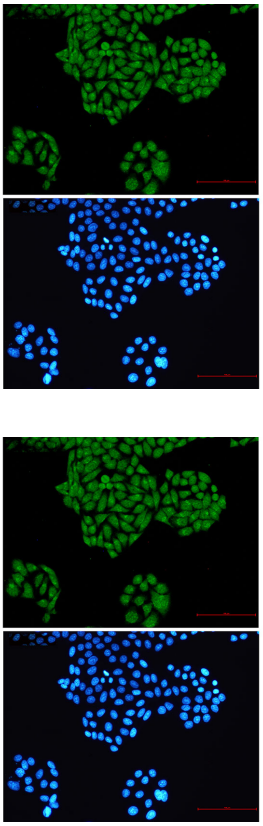
Western blot analysis of RYK in Hela, A549, HL-60, U2OS, U87-MG lysates using RYK antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using RYK antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of RYK (green) in hela using RYK antibody,and DAPI(blue)



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