
Product Name: RYK Rabbit Monoclonal antibody**Catalog #: AMRe02801**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Concentration	0.6mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 68 kDa; Observed MW: 72 kDa

Antigen Information

Gene Name	RYK
Alternative Names	ERK 3; JTK5; JTK5A; Ryk; RYK1; Vik
Gene ID	6259
SwissProt ID	P34925
Immunogen	A synthetic peptide of human RYK

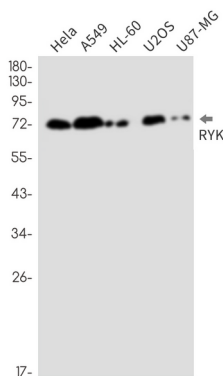
Background

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,

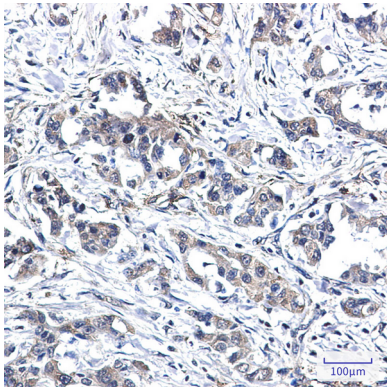
receptor C-terminal cleavage occurs in its transmembrane region and allows the C-terminal intracellular product to translocate from the cytoplasm to the nucleus where it plays a crucial role in neuronal development.

Research Area

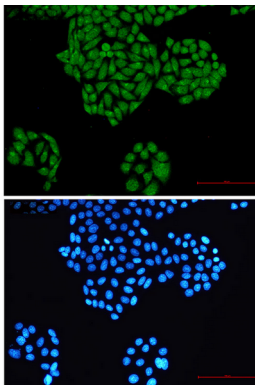
Image Data



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 cells using RYK antibody and DAPI (blue).