

RYK Antibody

Rabbit mAb Catalog # AP92445

Product Information

Application WB, IHC, IF, FC, ICC, IP, IHF

Primary Accession
Reactivity
Human
Clonality
Monoclonal

Other Names ERK 3; JTK5; JTK5A; Ryk; RYK1; Vik;

IsotypeRabbit IgGHostRabbitCalculated MW67815

Additional Information

Dilution WB 1:1000~1:5000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human RYK

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

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 Membrane; Single-pass type I membrane protein. Nucleus. Cytoplasm.

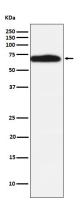
Note=In cells that have undergone neuronal differentiation, the C-terminal

cleaved part is translocated from the cytoplasm to the nucleus.

Tissue Location

Observed in all the tissues examined.

Images



Western blot analysis of RYK expression in MCF7 cell lysate.

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