

Ryk (mouse) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3775a

Specification

Ryk (mouse) Antibody (internal region) - Product Information

Application	E
Primary Accession	P34925
Other Accession	NP_038677.3 , NP_001036072.1 , 6259 , 20187 (mouse) , 140585 (rat)
Predicted Host	Human, Mouse, Rat, Pig, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	67815

Ryk (mouse) Antibody (internal region) - Additional Information

Gene ID 6259

Other Names

Tyrosine-protein kinase RYK, 2.7.10.1, RYK, JTK5A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Ryk (mouse) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Ryk (mouse) Antibody (internal region) - 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.

Ryk (mouse) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ryk (mouse) Antibody (internal region) - Images**Ryk (mouse) Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP_038677.3; NP_001036072.1).

Ryk (mouse) Antibody (internal region) - References

Mindbomb 1, an E3 ubiquitin ligase, forms a complex with RYK to activate Wnt/?-catenin signaling. Berndt JD, Aoyagi A, Yang P, Anastas JN, Tang L, Moon RT. J Cell Biol. 2011 Sep 5;194(5):737-50. PMID: 21875946