

Datasheet for ABIN392050

anti-RYK antibody (AA 160-190)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	RYK
Binding Specificity:	AA 160-190
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RYK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This RYK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 160-190 amino acids from human RYK.
Clone:	RB1491
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RYK
Alternative Name:	RYK (RYK Products)
Background:	RYK is an atypical member of the family of growth factor receptor protein tyrosine kinases,

Target Details

differing from other members at a number of conserved residues in the activation and nucleotide binding domains. This gene product belongs to a subfamily whose members do not appear to be regulated by phosphorylation in the activation segment. It has been suggested that mediation of biological activity by recruitment of a signaling-competent auxiliary protein may occur through an as yet uncharacterized mechanism. A nine nucleotide insertion in some transcripts results in the SLG variant. It is not established whether this is a product of alternative splicing or a second gene, since evidence for a second gene or pseudogene on chromosome 17 exists.

Molecular Weight:	67815
Gene ID:	6259
NCBI Accession:	NP_001005861 , NP_002949
UniProt:	P34925
Pathways:	RTK Signaling , WNT Signaling , Regulation of Cell Size

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

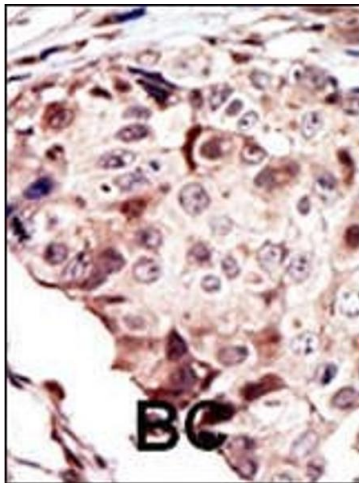
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.
Expiry Date:	6 months

Publications

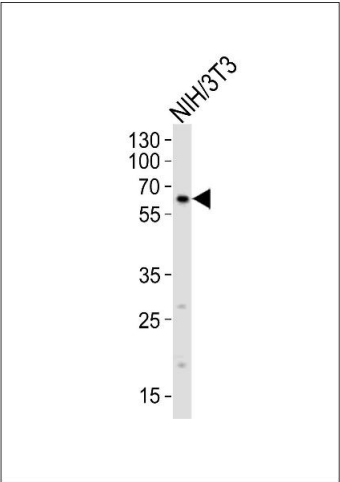
- Product cited in: Povinelli, Nemeth: "Wnt5a regulates hematopoietic stem cell proliferation and repopulation through the Ryk receptor." in: **Stem cells (Dayton, Ohio)**, Vol. 32, Issue 1, pp. 105-15, (2014) ([PubMed](#)).
- González, Fernández-Martos, Arenas, Rodríguez: "The Ryk receptor is expressed in glial and fibronectin-expressing cells after spinal cord injury." in: **Journal of neurotrauma**, Vol. 30, Issue 10, pp. 806-17, (2013) ([PubMed](#)).
- Santiago, Oguma, Brown, Laurence: "Noncanonical Wnt signaling promotes osteoclast differentiation and is facilitated by the human immunodeficiency virus protease inhibitor ritonavir." in: **Biochemical and biophysical research communications**, Vol. 417, Issue 1, pp. 223-30, (2012) ([PubMed](#)).
- Miyashita, Koda, Kitajo, Yamazaki, Takahashi, Kikuchi, Yamashita: "Wnt-Ryk signaling mediates axon growth inhibition and limits functional recovery after spinal cord injury." in: **Journal of neurotrauma**, Vol. 26, Issue 7, pp. 955-64, (2009) ([PubMed](#)).

Images



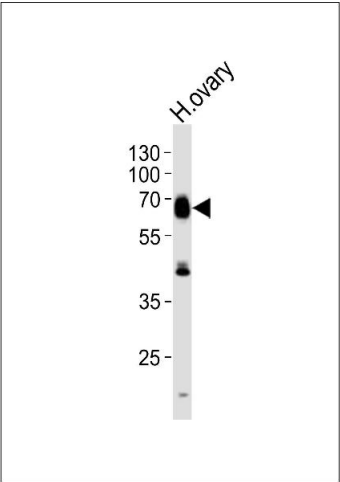
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of lysate from mouse NIH/3T3 cell line, using RYK Antibody (ABIN392050 and ABIN2841818). (ABIN392050 and ABIN2841818) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20 µg.



Western Blotting

Image 3. Western blot analysis of lysate from human ovary tissue lysate, using RYK Antibody (ABIN392050 and ABIN2841818). (ABIN392050 and ABIN2841818) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20 µg.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN392050.