

Datasheet for ABIN392051
anti-RYK antibody (C-Term)



[Go to Product page](#)

2 Images

2 Publications

Overview

Quantity:	400 µL
Target:	RYK
Binding Specificity:	AA 561-591, C-Term
Reactivity:	Human
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 561-591 amino acids from the C-terminal region of human RYK.
Clone:	RB1494
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	RYK
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Target Details

Alternative Name:	RYK (RYK Products)
Background:	RYK is an atypical member of the family of growth factor receptor protein tyrosine kinases, 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. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

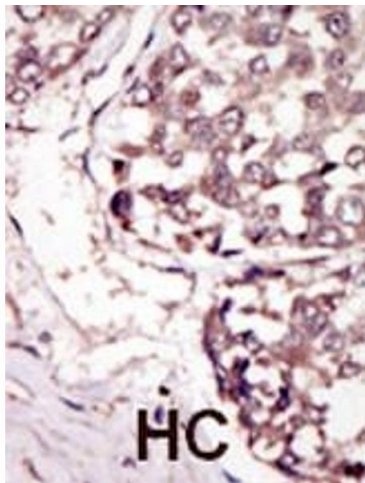
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment: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

Publications

Product cited in: 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](#)).

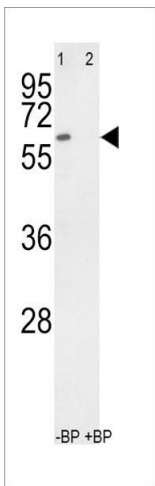
Keeble, Halford, Seaman, Kee, Macheda, Anderson, Stacker, Cooper: "The Wnt receptor Ryk is required for Wnt5a-mediated axon guidance on the contralateral side of the corpus callosum." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 26, Issue 21, pp. 5840-8, (2006) ([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 DAB 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 anti-hRYK- Pab (ABIN392051 and ABIN2841819) pre-incubated without(lane 1) and with(lane 2) blocking peptide in 293 cell line lysate. hRYK-(arrow) was detected using the purified Pab.