

Product datasheet

Anti-RYK antibody ab5518

1 References 2 Images

Overview

Product name	Anti-RYK antibody
Description	Rabbit polyclonal to RYK
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ELISA, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide conjugated to KLH, corresponding to amino acids 576-592 of Human RYK.
Positive control	Jurkat whole cell lysate (ab7899).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab5518** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

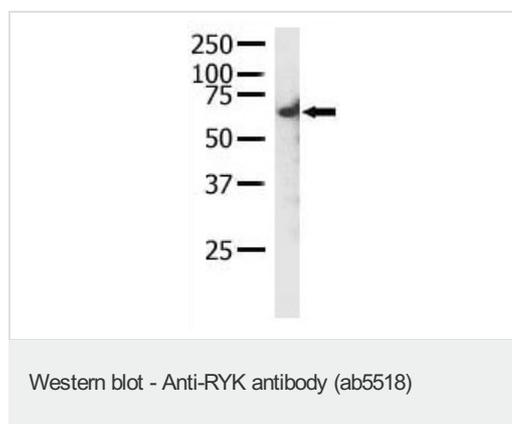
Application	Abreviews	Notes
IHC-P		1/50 - 1/100.
ELISA		1/1000.

Application	Abreviews	Notes
WB		1/100 - 1/500. Detects a band of approximately 67.5 kDa (predicted molecular weight: 72 kDa).

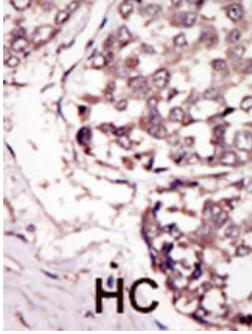
Target

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.
Tissue specificity	Observed in all the tissues examined.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Contains 1 protein kinase domain. Contains 1 WIF domain.
Domain	The extracellular WIF domain is responsible for Wnt binding.
Post-translational modifications	Proteolytically cleaved, in part by presenilin, in response to WNT3 stimulation. Cleavage occurs during neuronal differentiation.
Cellular localization	Membrane. Nucleus. Cytoplasm. In cells that have undergone neuronal differentiation, the C-terminal cleaved part is translocated from the cytoplasm to the nucleus.

Images



ab5518 at a 1/100 dilution staining approximately 67.5kDa band of RYK in Jurkat cell lysate by Western blot (ECL). ab5518 at a 1/100 dilution staining approximately 67.5kDa band of RYK in Jurkat cell lysate by Western blot (ECL).



ab5518 staining RYK in human hepatocarcinoma (HC) tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RYK antibody (ab5518)

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