

Product datasheet

Anti-HRG beta 1 antibody ab87547

★★★★★ [1 Abreviews](#) [1 References](#)

Overview

Product name	Anti-HRG beta 1 antibody
Description	Rabbit polyclonal to HRG beta 1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, Sandwich ELISA, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant Human HRG beta 1.
General notes	<p>Although some customers have been successful in IHC we no longer batch test in this application.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Lyophilized:Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab87547 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		Use at an assay dependent concentration.
Sandwich ELISA		Use at an assay dependent concentration. Allows the detection of at least 0.2 - 0.4 ng/well of recombinant human HRG beta 1. Can be used as capture antibody when paired with ab87549 .
WB	★★★★★ (1)	Use at an assay dependent concentration.

Target

Relevance

HRG beta 1 is an isoform from the Neuregulin/Heregulin family of structurally related polypeptide growth factors which are derived from alternatively spliced genes (NRG1, NRG2, NRG3 and NRG4). To date, there are over 14 soluble and transmembrane proteins derived from the NRG1 gene. The receptors for all NRG1 isoforms are the ERBB family of tyrosine kinase transmembrane receptors. Through interaction with ERBB receptors, NRG1 isoforms induce the growth and differentiation of epithelial, neuronal, glial, and other types of cells. HRG1-β1 contains an Ig domain and an EGF-like domain that is necessary for direct binding to receptor tyrosine kinases erb3 and erb4. Although HRG1-β1 biological effects are still unclear, it has been found to promote motility and invasiveness of breast cancer cells which may also involve up-regulation of expression and function of the autocrine motility promoting factor (AMF).

Cellular localization

Secreted

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