

For Research Use Only

HOXB9 Recombinant antibody

Catalog Number:84609-3-RR



Basic Information

Catalog Number:

84609-3-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34837

GenBank Accession Number:

BC015565

GeneID (NCBI):

3219

UNIPROT ID:

P17482

Full Name:

homeobox B9

Calculated MW:

250 aa, 28 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

241866C6

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : K-562 cells, HCT 116 cells, HT-29 cells

Background Information

HOXB9 is a member of the Homeobox (HOX) gene family, which plays a crucial role in embryonic development and is involved in the regulation of gene expression during this process. In addition to its role in embryogenesis, HOXB9 has been implicated in various cancers, including breast and prostate cancer. It is overexpressed in breast cancer tissue and is regulated by estrogen, playing a critical role in angiogenesis. HOXB9 overexpression has been shown to stimulate three-dimensional colony formation in soft-agar assays, indicating its role in tumorigenesis. Furthermore, HOXB9 binds to the promoters of various tumor growth and angiogenic factors, regulating their expression, and its homeodomain plays a crucial role in transcriptional regulation and tumorigenesis.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

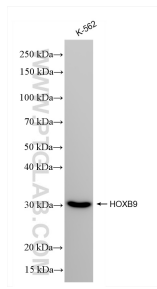
T: 4006900926

E: Proteintech-CN@ptglab.com

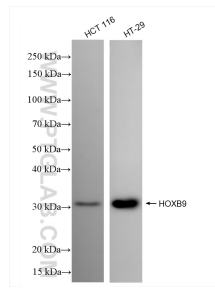
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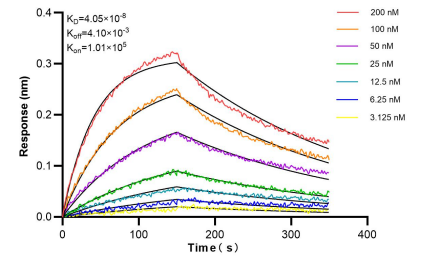
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 84609-3-RR (HOXB9 antibody) at dilution of 1:12000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 84609-3-RR (HOXB9 antibody) at dilution of 1:12000 incubated at room temperature for 1.5 hours.



Bi-layer interferometry (BLI) kinetic assays of 84609-3-RR against Human HOXB9 were performed. The affinity constant is 40.5 nM.