



A Reliable Research Partner in Life Science and Medicine

Recombinant HOXB13 Monoclonal Antibody

catalog number: AN301916L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human;

Immunogen Recombinant human HOXB13 fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A632

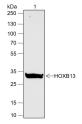
Purification Protein A purified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

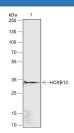
Applications Recommended Dilution

WB 1:1000-1:5000

Data



Calculated-MW:31 kDa



Calculated-MW:31 kDa

Western Blot with HOXB13 Monoclonal Antibody at dilution Western Blot with HOXB13 Monoclonal Antibody at dilution

of 1:5000. Lane 1: LnCap of 1:1000. Lane 1: SW480

Observed-MW:31 kDa

Observed-MW:31 kDa

Preparation & Storage

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

HOXB13 is a member of the HOXB cluster which, along with the HOXA, HOXC, and HOXD clusters, governs embryonic patterning along the cranio-caudal axis. HOXB13 plays a key role in the development of the ventral prostat e, where it is expressed highly from the embryonic stage through adulthood. Research studies have shown that both overexpression and RNA interference can inhibit the growth of prostate cancer cells. HOXB13 can function as a tumor suppressor by negatively regulating growth through repression of TCF4 and androgen receptor (AR) signaling. However, HOXB13 has also been shown to be overexpressed in more invasive prostate cancers, breast and ovarian cancers, and hepatocellular carcinomas. A common germline mutation G84E in the HOXB13 protein has recently been found to be associated with significant increased risk of prostate cancer. Currently, HOXB13 is being evaluated as a marker for metastatic lesions of prostate origin.

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