

Recombinant HOXB13 Monoclonal Antibody

catalog number: AN301916L

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

Description

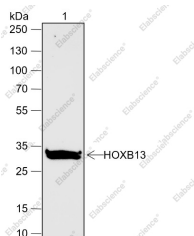
Reactivity	Human
Immunogen	Recombinant human HOXB13 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331537
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

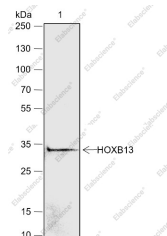
WB	1:1000-1:5000
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Data



Western Blot with HOXB13 Monoclonal Antibody at dilution of 1:5000. Lane 1: LnCap

Observed-MW:31 kDa
Calculated-MW:31 kDa



Western Blot with HOXB13 Monoclonal Antibody at dilution of 1:1000. Lane 1: SW480

Observed-MW:31 kDa
Calculated-MW:31 kDa

Preparation & 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 prostate, 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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