

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HOXB13 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived human HOXB13 Met1-Gln102 Accession # Q92826
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

HOXB13 (Homeobox B13) is a member of the homeobox family of transcription factors with a reported molecular weight of approximately 34 kDa. It is 284 amino acids in length and shares 93% aa identity with mouse and rat HOXB13. HOXB13 plays an important role in prostate cancer. Its expression promotes metastasis of prostate cancers and mutations in HOXB13 are associated with early onset disease. Elevated expression of HOXB13 is also associated with aggressive breast cancers, which may be due in part to its ability to reduce the expression of Estrogen Receptor α and increase expression of IL-6.

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