

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HOXD10 in direct ELISAs.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human HOXD10 Arg153-Thr262 Accession # P28358
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

Immunocytochemistry 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

HOXD10 is a sequence-specific transcription factor that belongs to the Abd-B homeobox family. It is a nuclear protein that is expressed in developing limb buds and is involved in differentiation and limb development. HOXD10 mutations have been associated with foot deformities such as rocker-bottom foot and the deformity seen in Charcot-Marie-Tooth disease. HOXD10 also functions as a candidate tumor suppressor. In gastric cancer there is downregulation in gastric cancer tissues and cell lines relative to normal stomach tissues. It has also been reported to suppress ovarian cancer, hepatocellular carcinoma and other cancer cells. Re-expression of HOXD10 results in significant inhibition of cell survival, induction of cell apoptosis and impairment of cell migration and invasion.

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