

Human/Mouse/Rat HHEX Alexa Fluor® 405-conjugated Antibody

Monoclonal Rabbit IgG Clone # 2018B

Catalog Number: FAB83771V

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human HHEX in direct ELISAs and Western blots.
Source	Monoclonal Rabbit IgG Clone # 2018B
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human HHEX Thr111-Gly270 Accession # Q6UX06
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Immersion fixed K562 human chronic myelogenous leukemia cell line and immersion fixed iBJ6 iPS cell line differentiated into hepatocytes

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

Hematopoietically-expressed homeobox protein (HHEX), also known as HEX, PRH and PRHX, is a 35-40 kDa member of the Homeobox family of transcription factors. Family members are distinguished by an evolutionarily conserved DNA-binding homeodomain of 60 amino acids (aa), which for HHEX spans aa 137-196. Human HHEX was initially isolated from hematopoietic tissue, and is present in several hematopoietic progenitors, where its expression is down-regulated during terminal cell differentiation. HHEX is also expressed in the anterior visceral endoderm during early mouse development, and in some adult tissues of endodermal origin, including liver, lung and thyroid. HHEX knockout in mice is embryonic lethal, with impaired forebrain, liver and thyroid development. Human HHEX is 270 aa in length, and over aa 111-270, shares 93% and 95% identity with mouse and rat HHEX, respectively.

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