Human/Mouse CHD1 Alexa Fluor® 350-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6195U
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse CHD1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human CHD5 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human CHD1 Lys1531-Thr1710 Accession # O14646
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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.*

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	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

CHD1 (Chromohelicase/ATPase DNA-binding protein 1) is a 200-220 kDa member of the SNF2/RAD54 helicase family of proteins. It is an ATP-dependent chromatin remodeling factor that helps maintain chromatin in a transcriptionally active state. In embryonic stem cells, CHD1 associates with the promoters of active genes, a condition that is associated with open chromatin and pluripotency. Human CHD1 is 1710 amino acids (aa) in length. It contains two Ser-rich regions (aa 1-70 and 117-137), two Chromo (chromatin-organizer-modifer) domains (aa 272-364 and 389-452), a SNF2 family N-terminal domain (aa 484-763) and a C-terminal helicase domain (aa 792-943). There are at least 30 Ser/Thr phosphorylation sites. Over aa 1531-1710, human CHD1 shares 92% aa identity with mouse CHD1.

PRODUCT SPECIFIC NOTICES

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Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475