

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Menin in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Menin aa 555-615 Accession # O00255
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.

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

Menin (Multiple endocrine neoplasia type I) is a 75-78 kDa tumor-suppressor protein that has no apparent structural relationship to any known protein family. It is ubiquitously expressed and interacts with other molecules, including NFκB, FANCD2 and ASK. Menin appears to block gene transcription, promote DNA repair, and inhibit cell proliferation. Human Menin is 615 amino acids (aa) in length. Consistent with its unique molecular taxonomy, it contains no definitive structural module(s). However, it is known to be phosphorylated on Ser399 and Thr599. There are a number of potential splice variants. Individually or in combination, there are deletions of aa 89-95, 149-153, 171-173, 189-223, and 423-426. There is also a 50 aa substitution for aa 68-615, a 66 aa substitution for aa 383-615, and a two aa substitution for aa 507-536. Over aa 555-615, human and mouse Menin are completely identical in aa sequence.

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