

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human MED4 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human MED4 Met80-Asp261 Accession # Q9NPJ6
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.
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

MED4 (Mediator complex 4 subunit; also DRIP36) is a 34-36 kDa member of the mediator complex subunit 4 family of proteins. It is part of a 20+ subunit complex named Mediator that serves as a bridge between RNA polymerase II and DNA binding regulatory proteins that cooperate during RNA synthesis. Human MED4 is 270 amino acids (aa) in length and contains two N-terminal coiled-coil regions (aa 24-48 and 90-131) plus a C-terminal poly-Ser region (aa 262-269). Multiple splice variants may exist. There is an alternate start site at Met47 that may be accompanied by a premature truncation after Asp239. There is also a form with a six aa substitution for aa 105-270, and a fourth form that shows a 19 aa substitution for aa 1-41, accompanied by a truncation after Thr260. Over aa 80-261, human MED4 is 97% aa identical to mouse MED4.

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