

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Ccd1/DIXDC1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Ccd1/DIXDC1 Gln481-Asn711 Accession # Q80Y83
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.

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

Coiled-coil-DIX1 (Ccd1), also known as DIXDC1, is an 80 kDa cytoplasmic actin-binding protein that mediates Wnt signaling by interacting with Dishevelled and Axin. It is highly expressed during nervous system development. Mouse Ccd1 contains a CH domain (aa 22-152), a coiled-coil domain (aa 279-452), and a DIX domain (aa 629-705). Multiple alternately spliced isoforms of mouse Ccd1 are expressed in a tissue specific manner during development and in the adult. These variants may lack approximately one third of the N-terminal region of the molecule or carry short deletions within the CH domain or spacer region between the coiled-coil and DIX domains. Over aa 481-711, mouse Ccd1 shares 88% and 75% aa sequence identity with human and rat Ccd1, respectively.

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