Human/Mouse DACH2 Alexa Fluor® 532-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5230X
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse DACH2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human DACH2 Gln419-Gln583 Accession # Q96NX9
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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

DACH2 (Dachshund 2) is a 65 kDa (predicted) member of the DACH family of transcription factors. It is expressed in the dermomyotome and Mullerian duct, and promotes Mullerian duct formation and myogenin gene suppression. Human DACH2 is 599 amino acids (aa) in length and contains a DD1 domain in the N-terminus (aa 66-162) that mediates DNA binding, and a C-terminal, coiled-coil DD2 domain (aa 452-543) that interacts with EYA proteins. Multiple splice variants of DACH2 are known. There is an alternate start site at Met220 that may be accompanied by both a deletion of aa 259-311 and a three aa substitution for aa 585-599. In addition, there is a deletion of aa 163-175 that may be accompanied by an Ala substitution for aa 584-599. Finally, there is a 41 aa substitution for aa 1-175. Over aa 419-583, human DACH2 is 93% aa identical to mouse DACH2.

PRODUCT SPECIFIC NOTICES

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