

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse ZIC3 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ZIC3 His380-Val467 Accession # O60481
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.

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

ZIC3 (zinc-finger protein of the cerebellum 3) is a 50 kDa (predicted) member of the GLI C2H2-type Zn-finger protein family. It is expressed in cerebellum, and apparently plays a key role in left-right body axis formation. Human ZIC3 is 467 amino acids (aa) in length. It contains N-terminal poly-Ala (aa 46-55) and poly-His (aa 87-97) segments, followed by five C2H2-type Zn-fingers (aa 253-410). Within the zinc finger region, there is an overlapping NES (aa 290-349) and two NLS's (aa 367-382 and 403-410). ZIC3 reportedly binds to GLI-3. There is one potential splice form that shows a 49 aa substitution for aa 409-467, and a second splice form that shows a three aa addition to the C-terminus. Over aa 380-467, human ZIC3 displays absolute/100% identity to mouse ZIC3.

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