

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TACC3 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human TACC3 Glu689-Ile838 Accession # Q9Y6A5
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

Transforming acidic coiled-coil containing protein 3 (TACC3; also known as ERIC-1) is a 92-140 kDa member of the TACC family of transcriptional regulatory proteins. It is expressed in a variety of cell types, including Sertoli cells, endothelial cells, erythroid progenitors, and thyroid epithelium. When phosphorylated by Aurora A on Ser558, it stabilizes the mitotic spindle. It also interacts with nuclear histone acetyltransferases, promoting their positive effect on transcription. Human TACC3 is 838 amino acids (aa) in length and contains one poly-Serine region (aa 155-160) and a TACC coiled-coil domain (aa 637-837). There is one potential splice variant that shows a Lys substitution for aa 102-462. Over amino acids 689-838, human TACC3 shares 79% aa identity with mouse TACC3.

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