

DESCRIPTION

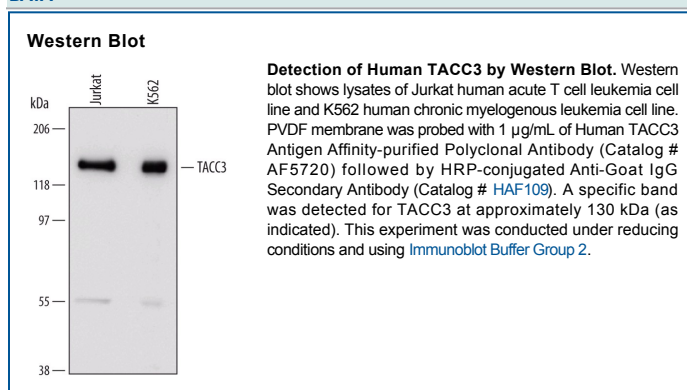
Species Reactivity	Human
Specificity	Detects endogenous human TACC3 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human TACC3 Glu689-Ile838 Accession # Q9Y6A5
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

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.