

DESCRIPTION

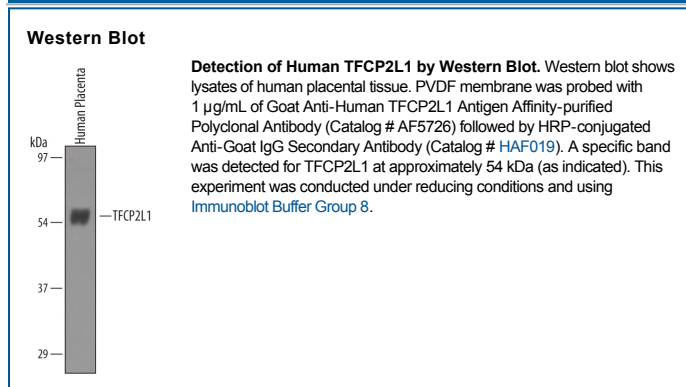
Species Reactivity	Human
Specificity	Detects human TFCP2L1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human TFCP2L1 Met1-Lys180 Accession # Q9NZI6
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

TFCP2L1 (Transcription factor CP2-like protein # 1; also LBP-9) is a 54 kDa (predicted) member of the CP2 subfamily, grh/CP2 family of proteins. It is expressed in placental syncytiotrophoblast cells, and regulates the production of CYP11A1/P450scc. P450scc is a cholesterol cleavage enzyme that generates pregnenolone, a necessary intermediate in the formation of progesterone. TFCP2L1 both positively and negatively regulates P450scc synthesis through homodimerization and heterodimerization with LBP-1b. Human TFCP2L1 is 479 amino acids (aa) in length. It contains a transcriptional repressor region (aa 100-200) and a dimerization domain (aa 300-479). There is one splice variant that shows a deletion of aa 400-464. Human TFCP2L1 is 73% aa identical to human TFCP2, and 93% aa identical to mouse CRTR-1, a closely related molecule that may not represent the actual mouse ortholog to TFCP2L1.