

DESCRIPTION

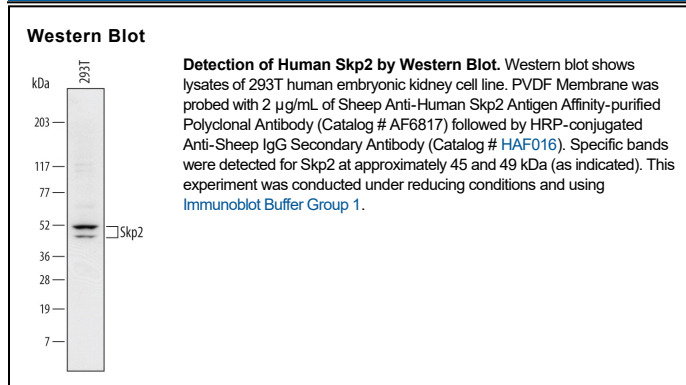
Species Reactivity	Human
Specificity	Detects human Skp2 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Skp2 Leu130-Pro350 Accession # Q13309
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
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

Skp2 (S-phase kinase-associated protein 2; also F-box/LRR protein 1) is a 45-49 kDa member of the F-box protein family. It is known to be part of the SCF (Skp1/Cul1/F-box protein) complex. The SCF complex functions as an E3 ubiquitin-protein ligase that mediates the transfer of ubiquitin from an E2 enzyme to a target substrate. The specificity of the target is determined by Skp2. Molecules targeted for degradation include cell-cycle regulatory proteins that are involved in the G1-S phase transition. Human Skp2 is 424 amino acids (aa) in length. It contains one F-box (aa 94-140) followed by nine consecutive Leu-rich repeats (aa 142-369). There are two potential splice forms that contain substitutions for the same aa sequence. One contains a 4 aa substitution, while a second contains a 56 aa substitution for aa 354-424. Over aa 130-350, human Skp2 shares 84% aa identity with mouse Skp2.