

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Spk2 in direct ELISAs and Western blots.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Skp2 Leu130-Pro350 Accession # Q13309
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	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

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## 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.

## PRODUCT SPECIFIC NOTICES

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