

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Spk2 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
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

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.

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