

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 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.