

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Skp2 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 712120
Purification	Protein A or G purified from hybridoma culture supernatant
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) is a 45-49 kDa cyclin A- and CDK2-associated phosphoprotein within the FBXL (F-box/LRR) family of ubiquitin ligases, designated FBXL1. Skp2 contains an F-box domain (amino acids (aa) 94-140) and 8 leucine-rich repeats (LRR) between aa 180 and 403. Isoforms of 424 and 410 aa, designated a and b, respectively, diverge after aa 354. As a component of the SCF (SKP1-Cul1-F-box) complex, Skp2 phosphorylation is required for degradation of CDK inhibitors such as p27/Kip1 and progression from G1 to S phases of the cell cycle. Deregulation in cancer promotes cell cycle progression and cancer growth. Within the region used as an immunogen, human Skp2 shares 84% aa sequence identity with mouse and rat Skp2.

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