

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human F-box protein 15/FBXO15 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant mouse F-box protein 15/FBXO15 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human F-box protein 15/FBXO15 aa 298-434 Accession # NP_689889
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

FBXO15 (F-box only protein 15; also FBX15) is a 50-60 kDa member of the F-box family, O-subfamily of molecules that is most closely related to FBXO8 and O11. It is found in pluripotent stem cells and testis tissue, and apparently serves as a substrate recognition component of the SCF-type E3 ubiquitin ligase. Human FBXO15 is 434 amino acids (aa) in length. It contains one F-box (aa 1-41) that likely serves as an interaction domain for SKP1. There are two potential isoforms, one that contains an alternative start site 76 aa upstream of the standard site, and a second that shows complex splicing that includes a 66 aa insertion after Asn35, a Ser substitution for aa 186-256, and a 106 aa substitution for aa 304-346. Over aa 298-434, human FBXO15 shares 53% aa identity with mouse FBXO15.

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