

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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.                                                                                  |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human F-box protein 15/FBXO15<br>aa 298-434<br>Accession # NP_689889                                                                                                                                                                    |
| <b>Conjugate</b>          | Alexa Fluor 532<br>Excitation Wavelength: 534 nm<br>Emission Wavelength: 553 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

#### PRODUCT SPECIFIC NOTICES

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