

**FBXL3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP59013****Specification**

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**FBXL3 Polyclonal Antibody - Product Information**

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Application                    | WB, IHC-P, IHC-F, IF                                                                                                      |
| Primary Accession              | <a href="#">Q9UKT7</a>                                                                                                    |
| Reactivity                     | Rat, Pig, Bovine                                                                                                          |
| Host                           | Rabbit                                                                                                                    |
| Clonality                      | Polyclonal                                                                                                                |
| Calculated MW                  | 49 KDa                                                                                                                    |
| Physical State                 | Liquid                                                                                                                    |
| Immunogen                      | KLH conjugated synthetic peptide derived from human FBXL3                                                                 |
| Epitope Specificity            | 151-250/428                                                                                                               |
| Isotype                        | IgG                                                                                                                       |
| <b>Purity</b>                  |                                                                                                                           |
| affinity purified by Protein A |                                                                                                                           |
| Buffer                         | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                         |
| SUBCELLULAR LOCATION           | Nucleus. Cytoplasm. Predominantly nuclear.                                                                                |
| SIMILARITY                     | Contains 1 F-box domain. Contains 7 LRR (leucine-rich) repeats.                                                           |
| SUBUNIT                        | Part of a SCF (SKP1-cullin-F-box) protein ligase complex. Interacts with CRY1 and CRY2.                                   |
| Important Note                 | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

**Background Descriptions**

Substrate-recognition component of some SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex involved in circadian clock function. The SCF(FBXL3) complex acts by mediating ubiquitination and subsequent degradation of CRY1 and CRY2. Recruiter of target protein that may recognize and bind to some phosphorylated proteins and promotes their ubiquitination and degradation.

**FBXL3 Polyclonal Antibody - Additional Information****Gene ID** 26224**Other Names**

F-box/LRR-repeat protein 3, F-box and leucine-rich repeat protein 3A, F-box/LRR-repeat protein 3A, FBXL3, FBL3A, FBXL3A

**Target/Specificity**

Widely expressed.

**Dilution**

WB~~1:1000  
IHC-P~~N/A  
IHC-F~~N/A  
IF~~1:50~200

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**FBXL3 Polyclonal Antibody - Protein Information**

**Name** FBXL3

**Synonyms** FBL3A, FBXL3A

**Function**

Substrate-recognition component of the SCF(FBXL3) E3 ubiquitin ligase complex involved in circadian rhythm function. Plays a key role in the maintenance of both the speed and the robustness of the circadian clock oscillation (PubMed:[17463251](http://www.uniprot.org/citations/17463251), PubMed:[23452855](http://www.uniprot.org/citations/23452855), PubMed:[27565346](http://www.uniprot.org/citations/27565346)). The SCF(FBXL3) complex mainly acts in the nucleus and mediates ubiquitination and subsequent degradation of CRY1 and CRY2 (PubMed:[17463251](http://www.uniprot.org/citations/17463251), PubMed:[23452855](http://www.uniprot.org/citations/23452855), PubMed:[27565346](http://www.uniprot.org/citations/27565346)). Activity of the SCF(FBXL3) complex is counteracted by the SCF(FBXL21) complex (PubMed:[23452855](http://www.uniprot.org/citations/23452855)).

**Cellular Location**

Nucleus. Cytoplasm. Note=Predominantly nuclear

**Tissue Location**

Widely expressed..

**FBXL3 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FBXL3 Polyclonal Antibody - Images**