

FBXL3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59013

Specification

FBXL3 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF

Primary Accession <u>Q9UKT7</u>

Reactivity
Host
Clonality
Rat, Pig, Bovine
Rabbit
Polyclonal

Clonality Polyclo
Calculated MW 49 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human FBXL3

Epitope Specificity 151-250/428

Isotype IgG

Purity
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, FBXL3A, FBXL3A

Target/Specificity

Widely expressed.



Dilution

- WB~~1:1000<br \><span class</pre>
- ="dilution IHC-P">IHC-P~~N/A<br \><span class
- ="dilution_IHC-F">IHC-F~~N/A<br \> < span class = "dilution_IF">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, PubMed:23452855, PubMed:27565346). The SCF(FBXL3) complex mainly acts in the nucleus and mediates ubiquitination and subsequent degradation of CRY1 and CRY2 (PubMed:17463251, PubMed:23452855, PubMed:27565346). Activity of the SCF(FBXL3) complex is counteracted by the SCF(FBXL21) complex (PubMed: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 Cytomety
- Cell Culture

FBXL3 Polyclonal Antibody - Images