

## Anti-F-box/LRR-repeat protein 3 FBXL3 Antibody

Catalog Number: A08330

### About FBXL3

This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class and, in addition to an F-box, contains several tandem leucine-rich repeats and is localized in the nucleus. "Winston J.T.,et al.(1999) Curr. Biol. 9:1180-1182.

Carninci P. et al. (2005)Science 309:1559-1563.

The MGC Project Team, (2004)Genome Res. 14:2121-2127.

### Overview

|                      |                                                                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-F-box/LRR-repeat protein 3 FBXL3 Antibody                                                                                                               |
| Reactive Species     | Mouse                                                                                                                                                        |
| Description          | Boster Bio Anti-F-box/LRR-repeat protein 3 FBXL3 Antibody (Catalog # A08330). Tested in WB applications. This antibody reacts with Mouse.                    |
| Application          | WB                                                                                                                                                           |
| Clonality            | Polyclonal                                                                                                                                                   |
| Formulation          | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                   |
| Host                 | Rabbit                                                                                                                                                       |
| Uniprot ID           | Q8C4V4                                                                                                                                                       |

### Technical Details

|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| Immunogen                  | Peptide sequence around aa.1~5 (M-K-R-G-G) derived from mouse FBXL3 |
| Predicted Reactive Species | Bovine, Canine, Equine, Guinea Pig, Rabbit, Yeast                   |
| Isotype                    | IgG                                                                 |
| Form                       | Liquid                                                              |
| Concentration              | 1 mg/ml                                                             |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purification        | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific peptide.                                                                                                                                                                                                                                                                 |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.<br>Some PubMed article(s) citing the expression level of this target are as follows:<br>Boster Bio's internal QC testing used:<br>Predicted MW: 49kd<br>Western blotting: 1:500~1:1000 |

## Anti-F-box/LRR-repeat protein 3 FBXL3 Antibody (A08330) Images

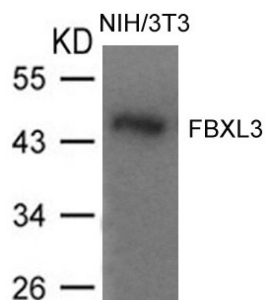


Figure 1. Western blot analysis of Fbxl3 using anti-Fbxl3 antibody (A08330).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Fbxl3 antigen affinity purified polyclonal antibody (Catalog # A08330) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-Rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # SA1022) with Tanon 5200 system. A specific band was detected for Fbxl3.

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