

## Product Information

### Anti-FBG4 (FBXO17)

Produced in rabbit, Affinity Isolated Antibody

Product Number **F 5929**

#### Product Description

Anti-FBG4 (FBXO17) is produced in rabbit using as immunogen a peptide corresponding to the human FBG4 protein (amino acids 70-85). This sequence has 100% homology with mouse and rat. The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-FBG4 (FBXO17) reacts with amino acid residues 70-85 (LQLARDRSAEGRALYA) of human FBG4 protein. It cross-reacts with mouse and rat FBG4. The antibody may be used in immunoblotting (~31 kDa, calculated).

F-box proteins, a critical component of the evolutionary conserved ubiquitin-protein ligase complex SCF (Skp1/Cdc53-cullin1/f-box), recruit substrates for ubiquitination and consequent degradation through their specific protein-protein interaction domains. Novel human F-box proteins named FBG1, FBG2, FBG3, FBG4, and FBG5 constitute a third subfamily of mammalian F-box proteins. FBG genes are expressed in a limited number of human tissues including kidney, liver, brain, and muscle tissues.

#### Reagent

The antibody is supplied as a solution of ~1 mg/mL in phosphate buffered saline containing 0.02% sodium azide.

#### Precautions and Disclaimer

Due to the sodium azide content a material safety sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous and safe handling practices.

#### Storage/Stability

Store at -20 °C. The product may be stored at 2-8 °C for up to three months. For prolonged storage, freeze in working aliquots at -20 °C. Avoid repeated freezing and thawing. Do not store in a "frost-free" freezer.

#### Product Profile

For immunoblotting, a working antibody dilution of 1:500-1:1,000 is recommended.

Note: In order to obtain the best results in various techniques and preparations, we recommend determining optimal working dilutions by titration.

#### References

1. Ilyin, G.P., et al., Gene, **296**, 11-20 (2002).

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