

## Product Information

### Anti-UBXD8/FAF2

produced in rabbit, IgG fraction of antiserum

Catalog Number **SAB4200475**

#### Product Description

Anti-UBXD8/FAF2 is produced in rabbit using as immunogen a synthetic peptide corresponding to the C-terminal region of human FAF2 (GeneID:), conjugated to KLH. The corresponding sequence is identical in rat, mouse, dog, and bovine. Whole antiserum is purified using protein A immobilized on agarose to provide the IgG fraction of antiserum.

Anti-UBXD8/FAF2 recognizes human, mouse and rat FAF2. The antibody may be used in various immunochemical techniques including immunoblotting (~53 kDa). Detection of the FAF2 band by immunoblotting is specifically inhibited by the immunizing peptide.

UBXD8 (FAF2), a UBX-domain containing protein embedded in the ER membrane, plays a role in the translocation of terminally misfolded proteins from the endoplasmic reticulum lumen to the cytoplasm and their degradation by the proteasome. UBXD8 is a component of the ER-dislocation complex in mammalian cells that consists of SEL1L, OS9, UBE2J1/UBC6E and AUP1. UBXD8 is highly expressed in peripheral blood of patients with atopic dermatitis (AD), compared to normal individuals. It may play a role in regulating the resistance to apoptosis that is observed in T cells and eosinophils of AD patients.<sup>1-4</sup>

#### Reagent

Supplied as a solution in 0.01 M phosphate buffered saline pH 7.4, containing 15 mM sodium azide as a preservative.

#### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

#### Product Profile

**Immunoblotting:** a working dilution of 1:2,000-1:4,000 is recommended using whole extracts of mouse NIH-3T3 and rat NRK cells.

A working dilution of 1:1,000-1:2,000 is recommended using whole extracts of human HEK-293T cells.

**Note:** In order to obtain best results in different techniques and preparations we recommend determining optimal working concentration by titration test.

#### References

1. Mueller, B., *Proc. Natl. Acad. Sci. USA*, **105**, 12325-12330 (2008).
2. Claessen, J.H.L., et al., *J. Biol. Chem.*, **285**, 20732-20739 (2010).
3. Suzuki, M., et al., *Mol. Biol. Cell*, **23**, 800-810 (2012).
4. Imai, Y., et al., *Biochem. Biophys. Res. Commun.*, **297**, 1282-1290 (2002).

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