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Product Information

Anti-VIP36/LMAN2
produced in rabbit, affinity isolated antibody

Product Number **SAB4200233**

Product Description

Anti-VIP36/LMAN2 is produced in rabbit using as the immunogen a synthetic peptide corresponding to a fragment of human LMAN2 (GeneID: 10960), conjugated to KLH. The corresponding sequence is identical in monkey, mouse, rat, bovine, and canine. The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-VIP36/LMAN2 recognizes human, rat, and mouse VIP36. The antibody may be used in various immunochemical techniques including immunoblotting (~36 kDa). Detection of the VIP36 band by immunoblotting is specifically inhibited by the immunizing peptide.

VIP36, vesicular-integral protein of 36 kDa, is a member of the leguminous-type (L-type) lectin family, which also includes ERGIC-53, ERGL, and VIPL. L-type lectins are type I transmembrane proteins composed of a large luminal domain comprising a carbohydrate recognition domain (CRD) and a short cytosolic domain that mediates sorting within the early secretory pathway. VIP36 localizes mainly to the Golgi apparatus and cycles between the Golgi and the ER. VIP36 binds high mannose type glycoproteins in a Ca^{2+}-dependent manner and may facilitate their sorting, trafficking and quality control.[1-4]

Reagent

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

Antibody concentration: ~1.0 mg/mL

Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the 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 concentration of 2.5-5.0 μg/mL is recommended using whole extracts of human HeLa or ACHN cells, rat Rat2, or mouse 3T3 cells.

Note: In order to obtain best results in various techniques and preparations, it is recommended to determine optimal working dilutions by titration.

References

1. Reiterer, V., et al., *Traffic*, **11**, 1044-1055 (2010).
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3. Satoh, T., et al., *J. Biol. Chem.*, **282**, 28246-28255 (2007).
4. Kamiya, Y., et al., *J. Biol. Chem.*, **283**, 1857-1861 (2008).

VS,ST,RC,KAA,PHC,MAM 07/19-1