

**MARCH6 polyclonal antibody**

Catalog: BS32963

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

E3 ubiquitin-protein ligase MARCHF6: Endoplasmic reticulum membrane-associated E3 ubiquitin ligase that plays a critical role in mitigating endoplasmic reticulum stress, the regulation of cholesterol and lipid homeostasis, and ferroptosis. Acts as a pivotal component of both the Ac/N-degron pathway (targeting the N-terminal acetyl group of substrates) and the ER-associated protein degradation-cytosol (ERAD-C) pathway (targeting misfolded substrates). For instance, mediates the degradation of Ac/N-degron-bearing proteins such as the G protein regulator RGS2 and the lipid droplet protein PLIN2. Suppresses endoplasmic reticulum stress and ferroptosis through cytosolic POMC degradation (By similarity). Prevents ferroptosis by acting as a NADPH sensor during lipid peroxidation through its C-terminal regulatory region. Facilitates also the degradation of selected endoplasmic reticulum proteins by associating with signal pe...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~103 kDa

Swiss-Prot:

O60337

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of MARCH6 protein

DATA:

Western blot analysis of DRP1 expression in A549 (A), Jurkat (B) whole cell lysates.

Immunohistochemical analysis of DRP1 staining in human ovarian cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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