

UBL5 monoclonal antibody

Catalog: MB67197

Host: Mouse

Reactivity: Human, Mouse

BackGround:

Ubiquitin is a 77 amino acid protein that targets proteins for degradation by the 26S proteasome. Ubiquitin-like (UBL) proteins are not directly involved in protein degradation, but appear to have many mechanistic similarities with the ubiquitin pathway. UBL5 (ubiquitin-like protein 5), also known as Beacon, is a 73 amino acid cytoplasmic protein that contains a ubiquitin-like domain, though it is shorter than ubiquitin and other UBL proteins. UBL proteins are also similar to ubiquitin in that they are enzymatically conjugated via an isopeptide bond between the C-terminal glycine carboxylate group and a lysine residue on the target protein; however, UBL5 lacks glycine residues at its C-terminus. UBL5 is ubiquitously expressed, though is found in highest levels in iris, kidney, muscle, brain, heart, liver and lymphoblast tissues. In the brain, UBL5 is expressed in vasopressin- and oxytocin-positive neurons and seems to be osmoregulated.

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 8 kDa

Swiss-Prot:

Q9BZL1

Purification&Purity:

This antibody is purified through a protein G column.

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 UBL5 protein.

DATA:



Western blot analysis of UBL5 expression in mouse heart (A) whole cell lysates.

Note:

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

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