



Beclin 1

Mouse monoclonal Antibody

#53514

Catalog Number: 53514

Amount: 100µg/100µl

Swiss-Prot No. : Q14457

Gene name: becn1

Gene id: 8678

Clone Number: 4F4-B10-C9

Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

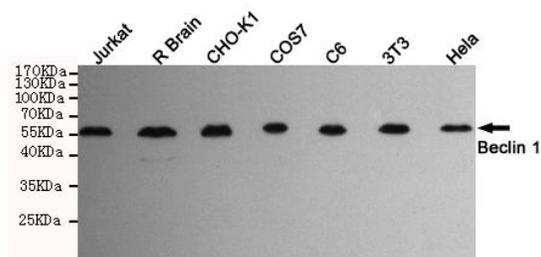
Immunogen: Purified recombinant human Beclin 1 protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of Beclin 1 and does not cross-react with related proteins

Reactivity: Human, Mouse, Rat, Monkey, Hamster

Applications: Predicted MW: 55kd WB: 1:1000



Western blot detection of Beclin 1 in HeLa, 3T3, C6, COS7, CHO-K1, Rat brain and Jurkat cell lysates using Beclin 1 mouse mAb (1:1000 diluted). Predicted band size: 52KDa. Observed band size: 55KDa.

Background:

Beclin-1 participates in the regulation of autophagy and has an important role in development, tumorigenesis, and neurodegeneration. It plays a central role in autophagy. Required for the abscission step in cytokinesis. May play a role in antiviral host defense. Protects against infection by a neurovirulent strain of Sindbis virus.