

**bsm-61039R****[ Primary Antibody ]**

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## ULK1 Recombinant Rabbit mAb

### DATASHEET

**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 6F4**GeneID:** 8408**SWISS:** O75385**Target:** ULK1**Immunogen:** A synthesized peptide derived from human ULK1: 950-1050.**Purification:** affinity purified by Protein A

**Storage:** 0.01M TBS(pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

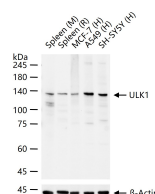
**Background:** ULK1 belongs to the serine/threonine protein kinase family. It is involved in axon growth and plays an essential role in neurite branching during sensory axon outgrowth. Knockdown of ULK1 results in impaired endocytosis of nerve growth factor (NGF), excessive axon arborization, and severely stunted axon elongation indicating that ULK1 mediates a non clathrin coated endocytosis in sensory growth cones. Knockdown of ULK1 also inhibits the autophagic response. It appears to act as a convergence point for multiple signals that regulate autophagy, and in turn interacts with a large number of autophagy related (Atg) proteins.

**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat

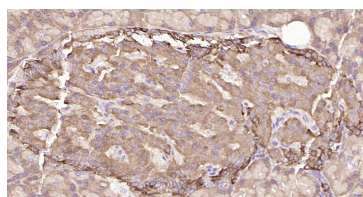
**Predicted**  
**MW.:** 116

**Subcellular**  
**Location:** Cytoplasm

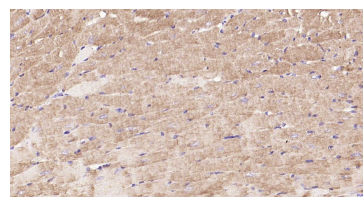
### VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with ULK1 monoclonal antibody, unconjugated (bsm-61039R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Mouse Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with ULK1 Monoclonal Antibody, Unconjugated (bsm-61039R) at 1:100 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with ULK1 Monoclonal Antibody, Unconjugated (bsm-61039R) at 1:100 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.