

AMPK α 1 protein

CatalogNo: YD0007

Key Features

Reactivity

- Human

Applications

- WB, SDS-PAGE

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -20°C/6 month, -80°C for long storage

Formulation Liquid in PBS

Basic Information

Source E.coli

Purification E.coli

Purity SDS-PAGE >90%

Immunogen Information

Sequence Amino acid: 411-543, with his-MBP tag.

Target Information

Gene name PRKAA1

Protein Name	AMPK a1 protein		
	Organism	Gene ID	UniProt ID
	Human	5562;	Q13131;
	Mouse		Q5EG47;

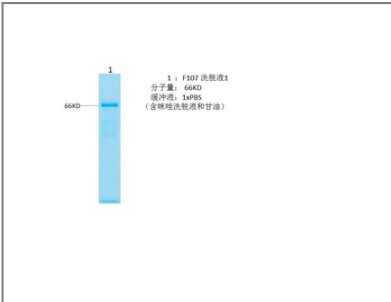
Cellular Localization

Cytoplasm . Nucleus . In response to stress, recruited by p53/TP53 to specific promoters. .

Function

MAPKKK cascade, activation of MAPK activity, response to hypoxia, monosaccharide metabolic process, glucose metabolic process, protein amino acid phosphorylation, fatty acid metabolic process, fatty acid biosynthetic process,steroid biosynthetic process, cholesterol biosynthetic process, phosphorus metabolic process, phosphate metabolic process, intracellular signaling cascade, protein kinase cascade, steroid metabolic process, cholesterol metabolic process, lipid biosynthetic process, negative regulation of biosynthetic process, positive regulation of biosynthetic process, regulation of cellular ketone metabolic process, positive regulation of steroid biosynthetic process, organic acid biosynthetic process, sterol metabolic process, sterol biosynthetic process, phosphorylation, regulation of lipid metabolic process, regulation of fatty acid metabolic process, regulation of steroid metabolic process, regulation of phosphate metabolic process, hexose metabolic process, fatty acid oxidation, lipid modification, negative regulation of cellular biosynthetic process, positive regulation of kinase activity, lipid oxidation, regulation of phosphorylation,positive regulation of catalytic activity, regulation of MAP kinase activity, positive regulation of MAP kinase activity,regulation of kinase activity, regulation of cellular component biogenesis, positive regulation of molecular function,regulation of cholesterol biosynthetic process, positive regulation of cholesterol biosynthetic process, regulation of anti-apoptosis, positive regulation of anti-apoptosis, negative regulation of lipid metabolic process, positive regulation of lipid metabolic process, regulation of protein kinase activity, positive regulation of protein kinase activity, positive regulation of steroid metabolic process, regulation of glucosylceramide biosynthetic process, negative regulation of glucosylceramide biosynthetic process, regulation of fatty acid oxidation, carboxylic acid biosynthetic process, positive regulation of lipid biosynthetic process, regulation of lipid biosynthetic process, regulation of steroid biosynthetic process, negative regulation of lipid biosynthetic process, regulation of phosphorus metabolic process, regulation of transferase activity, positive regulation of transferase activity, response to oxygen levels,

Validation Data



| Contact information

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AMPK α1 protein

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