

KD-Validated Anti-MAPK6 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2258

Product Information

Application	WB
Primary Accession	Q16659
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB4360
Calculated MW	82681
Gene Name	MAPK6
Aliases	MAPK6; Mitogen-Activated Protein Kinase 6; ERK3; HsT17250; P97MAPK; PRKM6; Extracellular Signal-Regulated Kinase 3; MAP Kinase 6; EC 2.7.11.24; P97-MAPK; MAPK 6; ERK-3; Extracellular Signal-Regulated Kinase, P97; Protein Kinase, Mitogen-Activated 5; Protein Kinase, Mitogen-Activated 6; MAP Kinase Isoform P97; EC 2.7.11
Immunogen	A synthesized peptide derived from human MAPK6

Additional Information

Gene ID	5597
Other Names	Mitogen-activated protein kinase 6, MAP kinase 6, MAPK 6, 2.7.11.24, Extracellular signal-regulated kinase 3, ERK-3, MAP kinase isoform p97, p97-MAPK, MAPK6, ERK3, PRKM6

Protein Information

Name	MAPK6
Synonyms	ERK3, PRKM6
Function	Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK3/MAPK6 is phosphorylated at Ser-189 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK3/MAPK6. May promote entry in the cell cycle (By similarity).
Cellular Location	Cytoplasm. Nucleus. Note=Translocates to the cytoplasm following interaction with MAPKAPK5
Tissue Location	Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts

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