

Chicken MAPK12 Polyclonal Antibody | anti-MAPK12 antibody

MAPK12 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA226363	Chicken	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

MAPK12; Polyclonal Antibody; MAPK12 Antibody; Affinity Purified Mitogen-activated protein kinase 12 Antibody; ERK 3 antibody; ERK 5 antibody; ERK 6 antibody=Extracellular signal-regulated kinase 6 antibody; MAP kinase 12 antibody; MAP kinase p38 gamma antibody; Mitogen Activated Protein Kinase 12 antibody; Mitogen activated protein kinase 3 antibody; P38 GAMMA antibody; PRKM12 antibody; SAPK 3 antibody; Stress Activated Protein Kinase 3 antibody; anti-MAPK12 antibody

PRODUCT SPECIFICATIONS

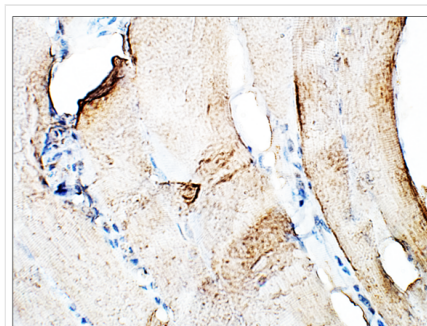
Host	Chicken
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgY
Purity/Purification	Affinity Purified
Concentration	0.5 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	357
Applicable Applications for anti-MAPK12 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide taken within amino acid region 310-360 on human Mitogen-activated protein kinase 12.
Conjugation	Unconjugated
Molecular Function	Kinase; Serine/threonine-protein kinase; Transferase
Subcellular Location	Cytoplasm; Mitochondrion; Nucleus
Preparation and Storage	Store at -20 degree C for long term storage.

IMAGES



Mouse Skeletal Muscle- MAPK12
Primary Antibody: 1:50 dilution in IHC Blocking Buffer.
DAB (brown) staining and Hematoxylin QS (blue) counterstain.
40X magnification on Leica DM4000, FFPE section.

IHC (Immunohistochemistry)



Mouse Skeletal Muscle- MAPK12
Primary Antibody: 1:50 dilution in IHC Blocking Buffer.
DAB (brown) staining and Hematoxylin QS (blue) counterstain.
40X magnification on Leica DM4000, FFPE section.

IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK12 antibody	Overview: Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK12 is one of the four p38 MAPKs which play an important role in the cascades of cellular responses evoked by extracellular stimuli such as proinflammatory cytokines or physical stress leading to direct activation of transcription factors such as ELK1 and ATF2. Accordingly, p38 MAPKs phosphorylate a broad range of proteins and it has been estimated that they may have approximately 200 to 300 substrates each. Some of the targets are downstream kinases such as MAPKAPK2, which are activated through phosphorylation and further phosphorylate additional targets. Plays a role in myoblast differentiation and also in the down-regulation of cyclin D1 in response to hypoxia in adrenal cells suggesting MAPK12 may inhibit cell proliferation while promoting differentiation. Structure: The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases. Expression: Highly expressed in skeletal muscle and heart.
Product Categories/Family for anti-MAPK12 antibody	Primary Antibodies; Cell Biology; Cell Cycle; MAPK12 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	735997389
NCBI GeneID	6300
NCBI Accession #	NP_001290181.1
NCBI GenBank Nucleotide #	NM_001303252.2
UniProt Accession #	P53778; Q14260; Q6IC53; Q99588; Q99672
Molecular Weight	40,808 Da
NCBI Official Full Name	mitogen-activated protein kinase 12 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase 12
NCBI Official Symbol	MAPK12
NCBI Official Synonym Symbols	ERK3; ERK6; ERK-6; SAPK3; PRKM12; SAPK-3; MAPK 12; P38GAMMA
NCBI Protein Information	mitogen-activated protein kinase 12
UniProt Protein Name	Mitogen-activated protein kinase 12
UniProt Gene Name	MAPK12
UniProt Synonym Gene Names	ERK6; SAPK3; MAP kinase 12; MAPK 12; ERK-6; MAP kinase p38 gamma

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mapk12-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/226363>