

Rabbit MARK3 Polyclonal Antibody | anti-MARK3 antibody

MARK3 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283975	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Western Blot, Immunohistochemistry, ELISA

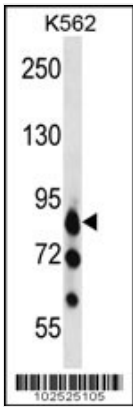
PRODUCT SYNONYMS

MARK3; Polyclonal Antibody; MARK3 Antibody (C-term); MAP/microtubule affinity-regulating kinase 3; C-TAK1; cTAK1; Cdc25C-associated protein kinase 1; ELKL motif kinase 2; EMK-2; Protein kinase STK10; Ser/Thr protein kinase PAR-1; Par-1a; Serine/threonine-protein kinase p78; CTAK1; EMK2; anti-MARK3 antibody

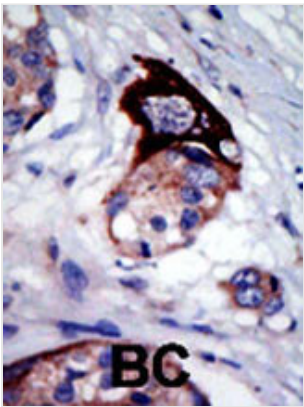
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MARK3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 570-601 amino acids from the C-terminal region of human MARK3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	570-601
Sequence Length	753
Applicable Applications for anti-MARK3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
MARK3 Antibody (S569) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the MARK3 antibody detected the MARK3 protein (arrow).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL INFORMATION

Related Product Information for anti-MARK3 antibody	MARK proteins are involved in the specific phosphorylation of microtubule-associated proteins for tau, MAP2, and MAP4. MARK3 was originally identified as a marker that was induced by treatment with DNA damaging agents, and loss of MARK3 was found with carcinogenesis in the pancreas. MARK3 may be involved in cell cycle regulation, and alterations in the MARK3 gene may lead to carcinogenesis.
Product Categories/Family for anti-MARK3 antibody	Signal Transduction
References	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Sun, T.Q., et al., Nat. Cell Biol. 3(7):628-636 (2001). Peng, C.Y., et al., Cell Growth Differ. 9(3):197-208 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	193083125
NCBI GeneID	4140
NCBI Accession #	NP_001122390.1; NP_001122391.1; NP_001122392.1; NP_001122393.1; NP_002367.4
NCBI GenBank Nucleotide #	NM_001128918.1
UniProt Accession #	P27448; O60219; Q86TT8; Q8TB41; Q8WX83; Q96RG1; Q9UMY9; Q9UN34
Molecular Weight	84489
NCBI Official Full Name	MAP/microtubule affinity-regulating kinase 3 isoform a
NCBI Official Synonym Full Names	MAP/microtubule affinity-regulating kinase 3
NCBI Official Symbol	MARK3
NCBI Official Synonym Symbols	KP78; CTAK1; PAR1A; Par-1a
NCBI Protein Information	MAP/microtubule affinity-regulating kinase 3
UniProt Protein Name	MAP/microtubule affinity-regulating kinase 3
UniProt Gene Name	MARK3
UniProt Synonym Gene Names	CTAK1; EMK2; cTAK1; EMK-2; Par-1a
UniProt Entry Name	MARK3_HUMAN

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/mark3-antibody-western-blot-immunohistochemistry-elisa/283975>