

Rabbit anti-Human ZIP Kinase/DAPK3 Polyclonal Antibody | anti-DAPK3 antibody

Anti-ZIP Kinase/DAPK3 Antibody, Rabbit Polyclonal

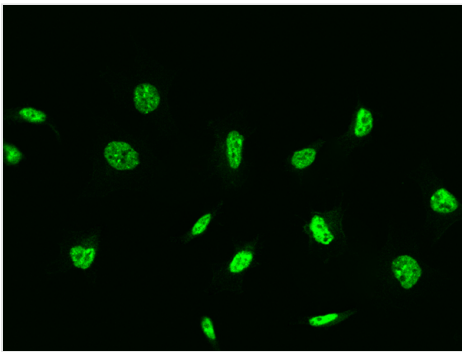
CATALOG # AAA254353	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Immunohistochemistry
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PRODUCT SYNONYMS

ZIP Kinase/DAPK3; Polyclonal Antibody; Anti-ZIP Kinase/DAPK3 Antibody; Rabbit Polyclonal; ZIP Kinase/DAPK3 Antibody; Rabbit PAb; Antigen Affinity Purified; death-associated protein kinase 3; Anti-DLK Antibody; Anti-ZIP Antibody; Anti-ZIPK Antibody; anti-DAPK3 antibody

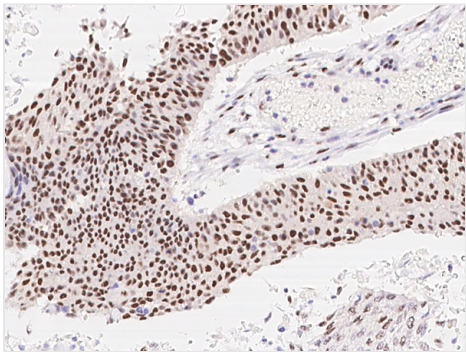
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ZIP Kinase/DAPK3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DAPK3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human ZIP Kinase/DAPK3
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human ZIP Kinase/DAPK3, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



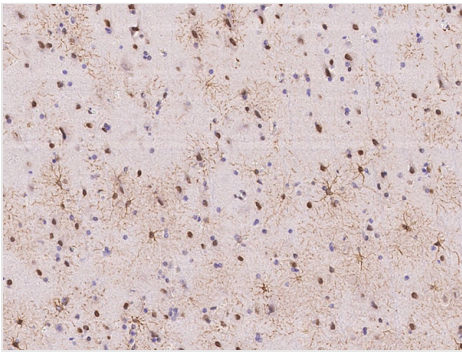
IF (Immunofluorescence)

Immunofluorescence staining of DAPK3 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human DAPK3 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



IHC (Immunohistochemistry)

Immunochemical staining of human DAPK3 in human lung cancer with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human DAPK3 in human brain with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-DAPK3 antibody	Death-associated protein kinase 3, also known as DAP kinase 3, ZIP-kinase, DAPK3 and ZIPK, is a nucleus and cytoplasm protein which belongs to theprotein kinase superfamily, CAMK Ser/Thr protein kinase family and DAP kinase subfamily. DAPK3/ZIPK contains oneprotein kinase domain. It is a serine/threonine kinase which acts as a positive regulator of apoptosis. It phosphorylates histone H3 on 'Thr-11' at centromeres during mitosis. DAPK3/ZIPK is a homodimer or forms heterodimers with ATF4. Both interactions require an intact leucine zipper domain and oligomerization is required for full enzymatic activity. It also binds to DAXX and PAWR, possibly in a ternary complex which plays a role in caspase activation. DAPK3/ZIPK regulates myosin light chain phosphatase through phosphorylation of MYPT1 thereby regulating the assembly of the actin cytoskeleton, cell migration, invasiveness of tumor cells, smooth muscle contraction and neurite outgrowth. It is involved in the formation of promyelocytic leukemia protein nuclear body (PML-NB), one of many subnuclear domains in the eukaryotic cell nucleus, and which is involved in oncogenesis and viral infection.
Product Categories/Family for anti-DAPK3 antibody	Death Receptor Signaling
References	Kawai T., et al., 1998, Mol. Cell. Biol. 18:1642-1651. Murata-Hori M., et al., 1999, FEBS Lett. 451:81-84. Kawai T., et al., 2003, Mol. Cell. Biol. 23:6174-6186. Greenman C., et al., 2007, Nature 446:153-158. Ohbayashi N., et al., 2008, Biochem. Biophys. Res. Commun. 372: 708 -712.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557511
NCBI GeneID	1613

NCBI Accession #	NP_001339.1
NCBI GenBank Nucleotide #	NM_001348.1
UniProt Accession #	O43293 ; Q05JY4 ; A0AVN4 ; B3KQE2
Molecular Weight	52,536 Da
NCBI Official Full Name	death-associated protein kinase 3
NCBI Official Synonym Full Names	death-associated protein kinase 3
NCBI Official Symbol	DAPK3
NCBI Official Synonym Symbols	ZIP; ZIPK
NCBI Protein Information	death-associated protein kinase 3; dlk; ZIP-kinase; DAP kinase 3; MYPT1 kinase; DAP-like kinase; ZIP kinase isoform; zipper-interacting protein kinase
UniProt Protein Name	Death-associated protein kinase 3
UniProt Gene Name	DAPK3
UniProt Synonym Gene Names	ZIPK; DAP kinase 3; Dlk; ZIP-kinase
UniProt Entry Name	DAPK3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/zip-kinase-dapk3-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254353>