

Rabbit anti-Human, Mouse PIKE Polyclonal Antibody | anti-PIKE antibody

PIKE Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301103	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PIKE; Polyclonal Antibody; PIKE Antibody; anti-PIKE antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	Anti-PIKE will detect both PIKE-L and PIKE-A isoforms.
Purity/Purification	Ion exchange chromatography purified
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1192
Applicable Applications for anti-PIKE antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 15 amino acids near the C-terminus of human PIKE.
Target Name	PIKE
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of PIKE in mouse brain tissue with PIKE antibody at 10 ug/mL.


WB (Western Blot)

Western blot analysis of PIKE in mouse brain cell lysates with PIKE antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PIKE antibody

Phosphoinositide 3 kinase enhancer (PIKE) is a recently identified nuclear GTPase that interacts with nuclear phosphoinositide 3-kinase (PI3 kinase) to stimulate its lipid kinase activity. PIKE exists in multiple isoforms; a shorter C-terminal isoform (PIKE-A) has also been identified as centaurin gamma 1. The longest isoform (PIKE-L) has been shown to bind to the adaptor protein Homer and thereby link to metabotropic glutamate receptors, leading to activation of PI3 kinase activity and prevention of neuronal apoptosis. Overexpression of PIKE-A enhances Akt activity and promotes cancer cell invasion, whereas decreased expression of PIKE-A via dominant negative expression of PIKE-A or PIKE-A knockdown inhibits these processes. In many human cancers, expression of PIKE-A is enhanced, leading to increased Akt activity and preventing apoptosis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25989575
NCBI GeneID	116986
Molecular Weight	90,537 Da
NCBI Official Full Name	PI 3-kinase enhancer long isoform
NCBI Official Synonym Full Names	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2
NCBI Official Symbol	AGAP2
NCBI Official Synonym Symbols	PIKE; GGAP2; CENTG1
NCBI Protein Information	arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2
UniProt Protein Name	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2
UniProt Gene Name	AGAP2
UniProt Synonym Gene Names	CENTG1; KIAA0167; AGAP-2; Cnt-g1; GGAP2; PIKE
UniProt Entry Name	AGAP2_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/pike-antibody-immunohistochemistry-western-blot-elisa/301103>