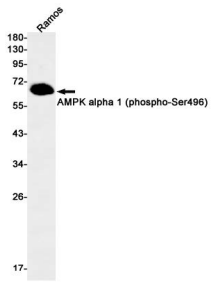
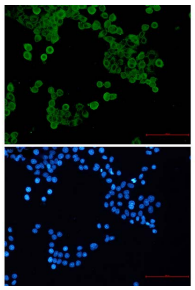
Product Data Sheet: Phospho-AMPKα1 (S496)

Cat. No:	ABP-0619
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A phospho specific peptide corresponding to residues surrounding S496 of human Ampk Alpha 1.
Reactivity:	Hu
Applications:	Western Blot: 1:500 - 1:1000 Immunohistochemistry: 1:50 - 1:100 Immunofluorescence: 1:50 - 1:100
Molecular Weight:	64kDa
Purification:	Affinity purification
Synonyms:	PRKAA1; AMPK; AMPKa1; protein kinase AMP-activated catalytic subunit alpha 1
Background:	The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5′-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATPconsuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed
Form:	liquid
Buffer:	Tris Glycine(ph7.4) with 0, 01% Sodium Azide, 40% glycerol, pH7.3
Storage:	Store at -20℃. Avoid freeze / thaw cycles



Western blot analysis of AMPK alpha 1 (Phospho-Ser496) in Ramos lysates using Phospho-AMPK alpha 1 (Ser496) antibody with working conc: 1:500.



Immunocytochemistry analysis of AMPK alpha 1 (Phospho-Ser496) (green) in hela using AMPK alpha 1 (Phospho-Ser496) antibody,and DAPI(blue)

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