

Product datasheet for **AP20953PU-M**

IKK alpha (CHUK) pSer176 Rabbit Polyclonal Antibody

Product data:

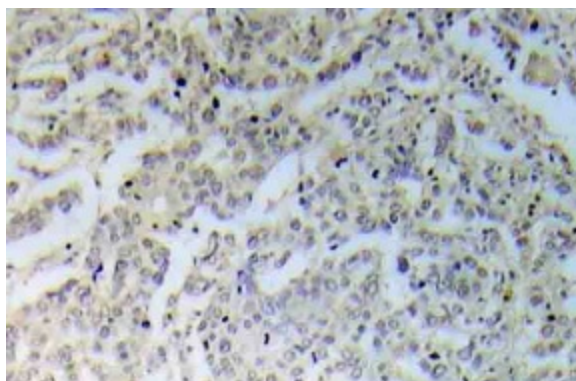
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry: 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	p-IKK-a/b (pSer176) pAb detects endogenous levels of p-IKKa/b protein.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1,0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	conserved helix-loop-helix ubiquitous kinase
Database Link:	<u>Entrez Gene 12675 Mouse</u> <u>Entrez Gene 309361 Rat</u> <u>Entrez Gene 1147 Human</u> <u>O15111</u>
Background:	The transcription factor NFkappaB is retained in the cytoplasm in an inactive form by the inhibitory protein IkappaB. Activation of NFkappaB requires that IkappaB be phosphorylated on specific serine residues, which results in targeted degradation of IkappaB. IkappaB kinase alpha (IKKalpha) interacts with IkappaB-alpha and specifically phosphorylates IkappaB-alpha on the sites that trigger its degradation, Serines 32 and 36. The functional IKK complex contains three subunits, designated IKKalpha, IKKbeta and IKKgamma (also designated NEMO); each appears to make essential contributions to IkappaB phosphorylation. NFkappaB inducing kinase (NIK) phosphorylates IKKalpha at Serine 176.



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Synonyms:	CHUK, TCF16, I kappa-B kinase alpha, IkbKA, IKK-alpha, IKK-A, IkappaB kinase, I-kappa-B kinase 1, NFKB1A, IKK1
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Acute myeloid leukemia, Adipocytokine signaling pathway, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Cytosolic DNA-sensing pathway, Epithelial cell signaling in Helicobacter pylori infection, MAPK signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Prostate cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

Product images:



Immunohistochemistry (IHC) analyzes of p-IKK-a/b (pSer176) pAb in paraffin-embedded human breast carcinoma tissue.