Product Datasheet

IKK a(Ab-23) Antibody

Catalog No: #21123

Package Size: #21123-1 50ul #21123-2 100ul #21123-4 25ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	IKK a(Ab-23) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total IKKa protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.21~25 (L-G-T-G-G) derived from Human IKK a.
Target Name	IKK a
Other Names	I kappa-B kinase alpha; I-kappa-B kinase 1; IKK-A; IKK-alpha; IKK1
Accession No.	Swiss-Prot: O15111NCBI Protein: NP_001269.3
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

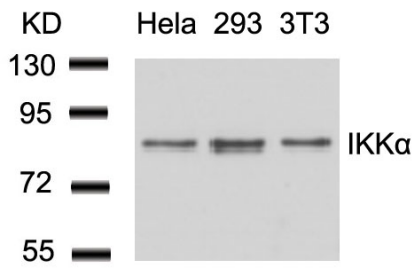
Application Details

Predicted MW: 85kd

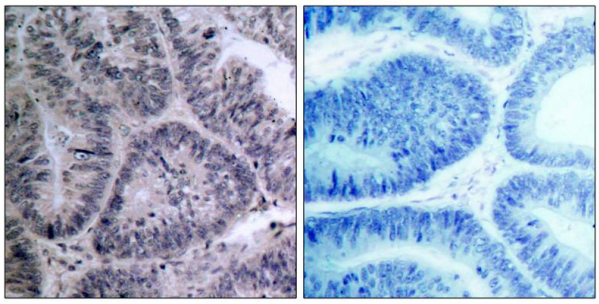
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Hela, 293 and 3T3 cells using IKK a(Ab-23) Antibody #21123.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using IKK a(Ab-23) Antibody #21123(left) or the same antibody preincubated with blocking peptide(right).

Background

Acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. As part of the non-canonical pathway of NF-kappa-B activation, the MAP3K14-activated CHUK/IKKA homodimer phosphorylates NFKB2/p100 associated with RelB, inducing its proteolytic processing to NFKB2/p52 and the formation of NF-kappa-B RelB-p52 complexes. Also phosphorylates NCOA3. Phosphorylates 'Ser-10' of histone H3 at NF-kappa-B-regulated promoters during inflammatory responses triggered by cytokines.

Yuan ZQ, et al.(2002)J Biol Chem; 277(33): 29973-82.

Ozes ON, et al. (1999)Nature; 401(6748): 82-5.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.