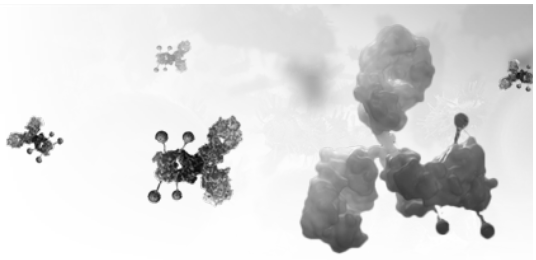

Rabbit Anti-Human TBK1 monoclonal antibody, clone 20I26M24 (CABT-L1628)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Rat, Bovine and Dog
Target	TBK1
Immunogen	Peptides corresponding to Human TBK1 (aa 480-497, 260-272)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	20I26M24
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IF
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

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Introduction	Nuclear factor kappa B (NF-KB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-KB mediates the expression of a great variety of genes in response to extracellular stimuli. NF-KB is associated with IKB proteins in the cell cytoplasm, which inhibit NF-KB activity. Phosphorylation of I-KB by IKB kinase (IKK) complex leads to degradation of I-KB and activation of NF-KB. The IKK complex contains IKKa, IKKβ, and IKKK. A novel IKK related kinase was recently identified and designated TBK1 (TANK-binding kinase 1), NAK (NF-KB-activating kinase), and T2K. NAK/TBK1 activates IKKβ through direct phosphorylation. NAK/TBK1 is activated by growth factors and PMA and mediates IKK and NF-kB activation in response to growth factors. NAK/TBK1 functions upstream of NIK and the IKK complex. NAK/TBK1 is also critical in protecting embryonic liver from apoptosis.
Keywords	TBK1;TANK-binding kinase 1;NAK;T2K;serine/threonine-protein kinase TBK1;NF-kB-activating kinase;NF-kappa-B-activating kinase

GENE INFORMATION

Entrez Gene ID	29110
UniProt ID	Q9UHD2

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