Datasheet for ABIN1711362

anti-IKAP/p150 antibody (AA 1151-1250) (HRP)

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Overview

Quantity:	100 µL
Target:	IKAP/p150 (ELP1)
Binding Specificity:	AA 1151-1250
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IKAP/p150 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IKAP
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	IKAP/p150 (ELP1)
Alternative Name:	IKAP (ELP1 Products)

Target Details

Background:	Synonyms: DKFZp781H1425, DYS, Dysautonomia Riley Day syndrome hereditary sensory autonomic neuropathy type III, Elongator complex protein 1, ELP 1, ELP1, ELP1_HUMAN, FD, FLJ12497, IKAP, IkappaB kinase complex associated protein, IkappaB kinase complex-associated protein, ikbkap, IKI 3, IKI3, IKK complex associated protein, IKK complex-associated protein, Inhibitor of kappa light polypeptide gene enhancer in B cells kinase complex associated protein, OTTHUMP00000063889, p150, TOT 1, TOT1 Background: The transcription factor NFkB is retained in the cytoplasm in an inactive form by the inhibitory protein IkB. Activation of NFkB requires that IkB be phosphorylated on specific serine residues, which results in the targeted degradation of IkB (1). IkB kinase alpha (IKK alpha), previously designated CHUK (2), interacts with IkB-alpha and specifically phosphorylates IkB-alpha on the sites that trigger its degradation, serines 32 and 36 (3). IKKalpha appears to be critical for NFkB activation in response to proinflammatory cytokines (4). Phosphorylation of the IkB by IKK alpha is stimulated by the NFkB inducing kinase (NIK), which itself is a central regulator for NFkB activation in response to TNF and IL-1 (5). The functional IKK complex contains three subunits, IKK alpha, IKK beta and IKK gamma (also designated NEMO), and each appears to make essential contributions to IkB phosphorylation (6). IKAP (IKK-complex-associated protein) is a protein that acts as a scaffold, interacting with NIK, IKK alpha and IKK beta and assembling them into an active kinase complex (7,8)

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months