

IkB α Rabbit Polyclonal Antibody

Catalog # AP63804

Product Information

Application	WB, IHC-P
Primary Accession	P25963
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35609

Additional Information

Gene ID	4792
Other Names	NF-kappa-B inhibitor alpha (I-kappa-B-alpha) (IkB-alpha) (IkappaBalpha) (Major histocompatibility complex enhancer-binding protein MAD3)
Dilution	WB~~WB 1:500-2000,IHC-p 1:50-300 IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

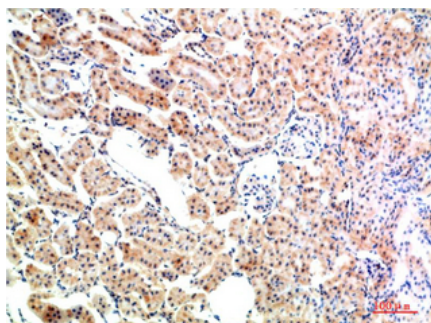
Name	NFKBIA
Synonyms	IKBA, MAD3, NFKBI
Function	Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL (RELA/p65 and NFKB1/p50) dimers in the cytoplasm by masking their nuclear localization signals (PubMed: 1493333 , PubMed: 36651806 , PubMed: 7479976). On cellular stimulation by immune and pro-inflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription (PubMed: 7479976 , PubMed: 7628694 , PubMed: 7796813 , PubMed: 7878466).
Cellular Location	Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.

Background

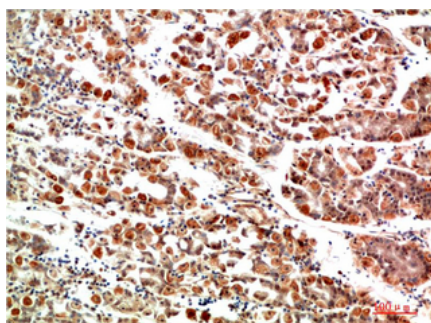
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responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription.

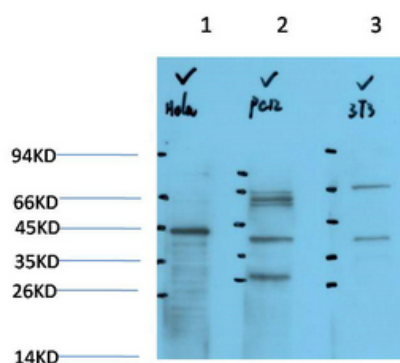
Images



Immunohistochemical analysis of paraffin-embedded Rat Kidney Tissue using IkB α Rabbit pAb diluted at 1:200



Immunohistochemical analysis of paraffin-embedded Human Stomach Tissue using IkB α Rabbit pAb diluted at 1:200



Western blot analysis of 1) Hela Cell Lysate, 2) PC12 Cell Lysate, 3) 3T3 Cell Lysate using IkB α Rabbit pAb diluted at 1:1000.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.