

IKBKB Polyclonal antibody

Catalog Number: 20979-1-AP

5 Publications

Basic Information

Catalog Number:

20979-1-AP

Size:

413 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001556

GeneID (NCBI):

3551

UNIPROT ID:

O14920

Full Name:

inhibitor of kappa light polypeptide
gene enhancer in B-cells, kinase beta

Calculated MW:

87 kDa

Observed MW:

80 kDa, 86 kDa, 87 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:100-1:400

IF/ICC 1:20-1:200

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : mouse testis tissue,

IHC : human breast cancer tissue, human pancreas
tissue

IF/ICC : DU 145 cells,

Background Information

IKBKB, also named as NFKB1KB, IKK2 and IKKB, belongs to the protein kinase superfamily, Ser/Thr protein kinase family and I-kappa-B kinase subfamily. IKBKB 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. It also phosphorylates NCOA3. The antibody is specific to IKBKB. This antibody can identify 3 isoform of IKBKB with the molecular weight of 80, 86, 87 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Wei Bao	33052237	Theranostics	WB
Dejuan Li	29220696	Redox Biol	WB
Xueyuan Tang	26993770	Oncotarget	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

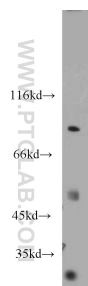
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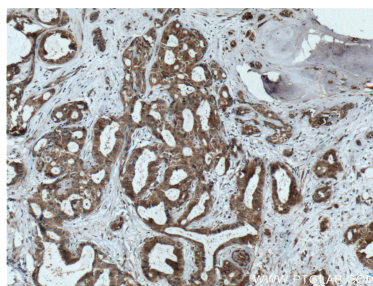
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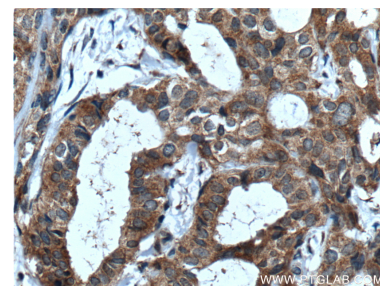
Selected Validation Data



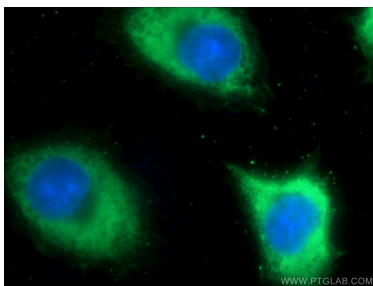
mouse testis tissue were subjected to SDS PAGE followed by western blot with 20979-1-AP (IKK β B antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20979-1-AP (IKK β B Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20979-1-AP (IKK β B Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed DU 145 cells using 20979-1-AP (IKK β B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).