

For Research Use Only

IKBKB Polyclonal antibody

Catalog Number: 20979-1-AP

5 Publications



Basic Information

Catalog Number:

20979-1-AP

Size:

150ul, Concentration: 400 µg/ml by Bradford method using BSA as the standard;

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:

WB, IF, IHC, 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

*** 20ul sizes contain 0.1% BSA

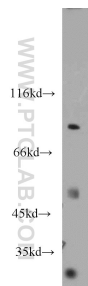
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

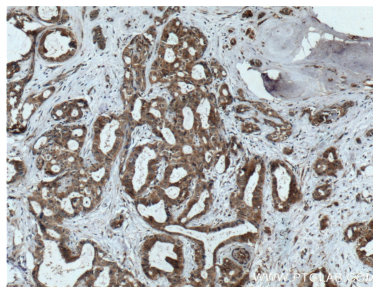
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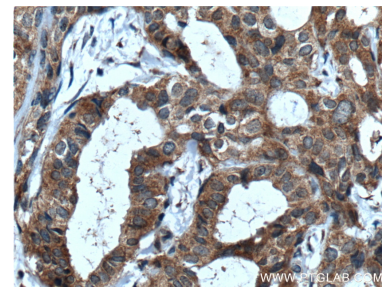
Selected Validation Data



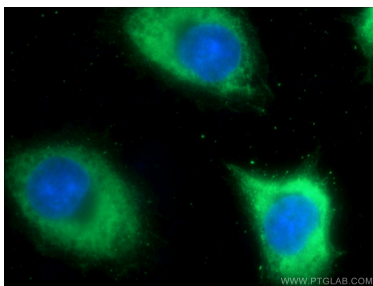
mouse testis tissue were subjected to SDS PAGE followed by western blot with 20979-1-AP (IKK β B antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).