Catalog: OM638952

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IKK beta

Catalog: OM638952

☐ 100 µl

Product profile

Product name	IKK beta
Antibody Type	Primary Antibodies
Product description	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 target ed degradation of IkB. IkB kinase α (IKKα), previously designated CHUK, interacts with IkB-α and specificall y phosphorylates Ikβ-α on Serine 32 and 36, the sites that trigger its degradation. IKKα appears to be criti cal for NFkB activation in response to proinflammatory cytokines. Phosphorylation of IkB by IKKα is stimul ated by the NFkB inducing kinase (NIK), which itself is a central regulator for NFkB activation in response t o TNF and IL-1. The functional IKK complex contains three subunits, IKKα, IKKβ and IKKγ (also designated NEMO), and each appear to make essential contributions to IkB phosphorylation.
Immunogen	Recombinant protein

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,ICC ,IHC ,FC
Species Reactivity	Human Mouse Rat
Concentration	1 mg/mL.

Target Information

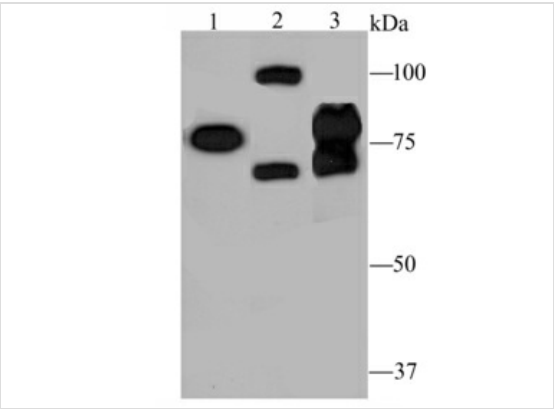
Alternative Names	I kappa B kinase 2 antibody I kappa B kinase beta antibody I-kappa-B kinase 2 antibody I-kappa-B-kinase beta antibody IkBKB antibody IKK beta antibody IKK-B antibody IKK-beta antibody IKK2 antibody IKKB ant ibody IKKB_HUMAN antibody IMD15 antibody Inhibitor of kappa light polypeptide gene enhancer in B cells , kinase beta antibody Inhibitor of nuclear factor kappa-B kinase subunit beta antibody NFKBIKB antibody Nuclear factor NF-kappa-B inhibitor kinase beta antibody
Molecular Weight(MW)	87/79 kDa

Cellular Localization	Nucleus. Cytoplasm.

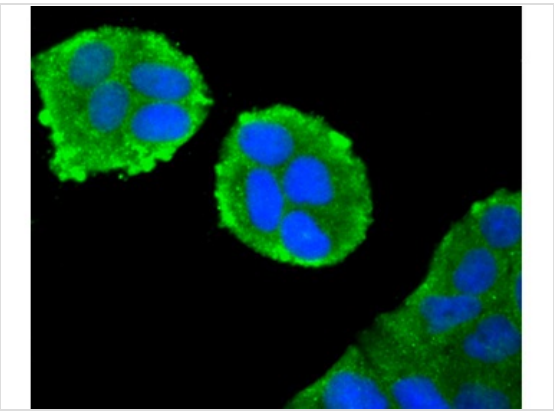
Database Links

SwissProt ID	O14920 O88351 Q9QY78

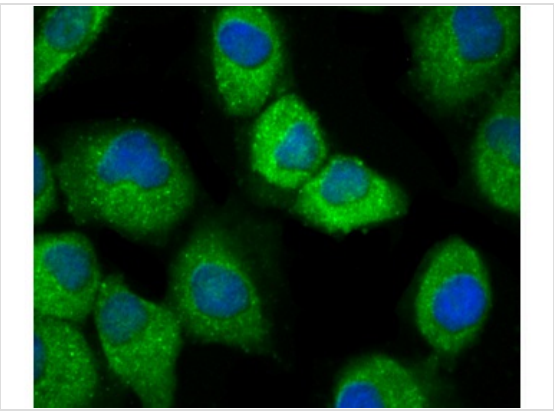
Application



Application
Fig1: Western blot analysis of IKK beta on different lysates using anti-IKK beta antibody at 1/1,000 dilution. Positive control Lane1: HelaLane2: 293TLane3: Mouse spleen tissue

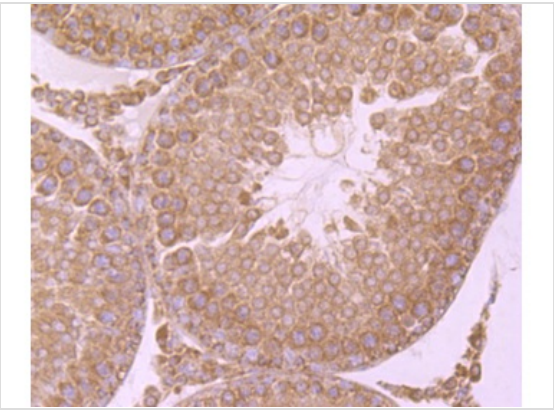


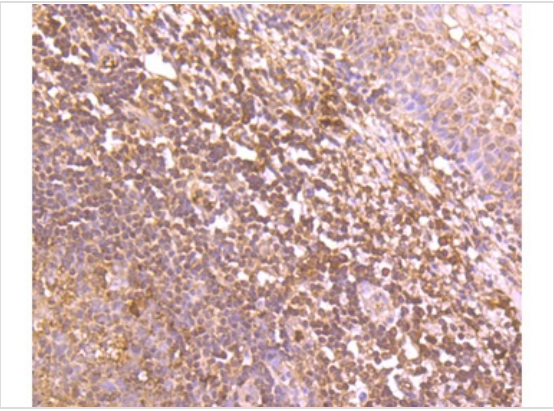
Application
Fig2: ICC staining IKK beta in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application
Fig3: ICC staining IKK beta in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

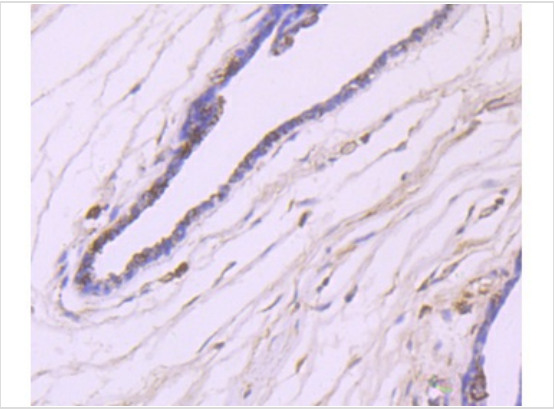
Application
Fig4: Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-IKK beta antibody. Counter stained with hematoxylin.





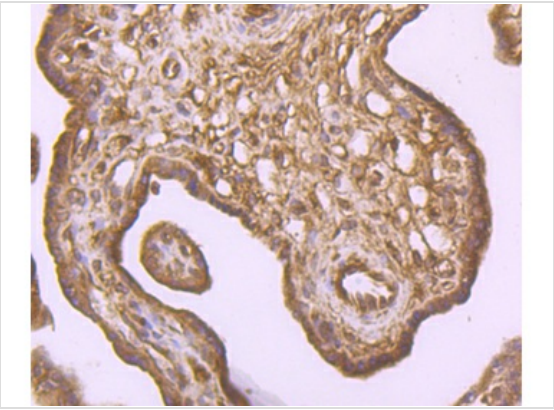
Application

Fig5: Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-IKK beta antibody. Counter stained with hematoxylin.



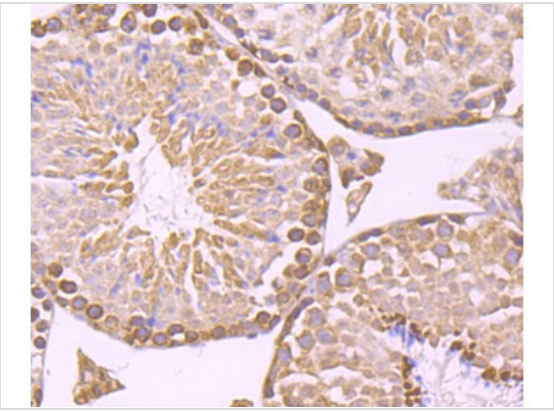
Application

Fig6: Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-IKK beta antibody. Counter stained with hematoxylin.



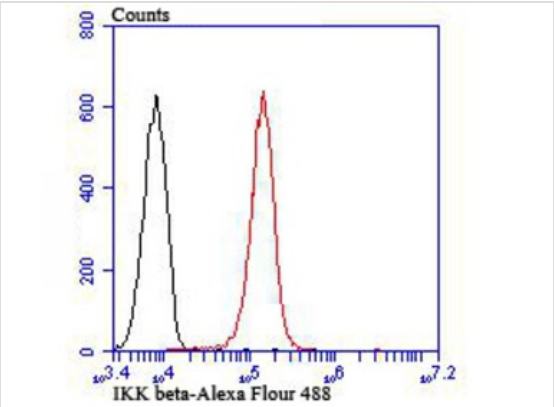
Application

Fig7: Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-IKK beta antibody. Counter stained with hematoxylin.



Application

Fig8: Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-IKK beta antibody. Counter stained with hematoxylin.



Application

Fig9: Flow cytometric analysis of A549 cells with IKK beta antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Positive Control	Hela, 293T, mouse spleen tissue lysate, HUVEC, rat testis tissue, human tonsil tissue, human breast tissue, human placenta tissue, mouse testis tissue.
Application Notes	**WB**:1:1,000-1:5,000 **ICC**:1:50-1:200 **IHC**:1:50-1:200 **FC**:1:50-1:100

Additional Information

Form	Liquid
Storage Instructions	Store at +4℃after thawing. Aliquot store at -20℃or -80℃. Avoid repeated freeze / thaw cycles.
Storage Buffer	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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