

Datasheet: VMA00150KT

Description:	NF KAPPA B INHIBITOR ALPHA ANTIBODY WITH CONTROL LYSATE
Specificity:	NF KAPPA B INHIBITOR ALPHA
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT11D4
Isotype:	IgG1
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat, Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	20µl Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human NF kappa B inhibitor alpha (NP_065390) produced in HEK293T cells
External Database Links	UniProt: P25963 Related reagents Entrez Gene:

Synonyms	IKBA, MAD3, NFKBI
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Specificity	<p>Mouse anti Human NF kappa B inhibitor alpha antibody recognizes NF kappa B inhibitor alpha, also known as I-kappa-B-alpha, IkappaBalpna, NF-kappa-B inhibitor alpha, ikB-alpha, major histocompatibility complex enhancer-binding protein MAD3 and nuclear factor of kappa light chain gene enhancer in B-cells.</p> <p>Human NF kappa B inhibitor alpha is a member of the NF kappa B inhibitor family, which contain multiple ankrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF kappa B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in the NFKBIA gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease (provided by RefSeq, Aug 2011).</p> <p>Mouse anti Human Human NF kappa B inhibitor alpha antibody detects a band of 35 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
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Western Blotting	Anti NF kappa B inhibitor alpha detects a band of approximately 35 kDa in MCF7 cell lysates.
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Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
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Lysate Composition	400µg MCF7 lysate lyophilized in RIPA buffer.
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Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
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Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
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Guarantee	As supplied, 12 months from date of despatch.
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Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
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Health And Safety Information	<p>Material Safety Datasheet documentation #10048 #10561 available at:</p> <p>Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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'M337762:181217'

Printed on 15 Mar 2019

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