Datasheet for ABIN2779232

anti-IKBKG antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	IKBKG
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IKBKG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human IKBKG
Sequence:	LGELQESQSR LEAATKECQA LEGRARAASE QARQLESERE ALQQQHSVQV
Predicted Reactivity:	Cow: 92%, Dog: 100%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 86%, Rabbit: 100%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against IKBKG. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	IKBKG

Target Details

Alternative Name:	IKBKG (IKBKG Products)
Background:	Familial incontinentia pigmenti (IP) is a genodermatosis that segregates as an X-linked dominant disorder and is usually lethal prenatally in males . In affected females it causes highly variable abnormalities of the skin, hair, nails, teeth, eyes, and central nervous system. The prominent skin signs occur in 4 classic cutaneous stages: perinatal inflammatory vesicles, verrucous patches, a distinctive pattern of hyperpigmentation, and dermal scarring. Cells expressing the mutated X chromosome are eliminated selectively around the time of birth, so females with IP exhibit extremely skewed X-inactivation. Familial incontinentia pigmenti is caused by mutations in the NEMO gene and is here referred to as IP2, or 'classical' incontinentia pigmenti. Sporadic incontinentia pigmenti, the so-called IP1, which maps to Xp11, is categorized as hypomelanosis of Ito Alias Symbols: IP, IP1, IP2, FIP3, IPD2, NEMO, FIP-3, Fip3p, AMCBX1, IKK-gamma Protein Interaction Partner: CHUK, IKBKB, ATM, PIAS4, MALT1, TRIM13, BCL10, SUMO1, UBC, TRAF6, MTOR, RPTOR, RELA, NFKBIA, IKBKG, ARHGDIA, RHOA, CDC37, SRC, FYN, FKBP5, FGR, PPP4C, PPP2R1B, LYN, NMRAL1, USP7, ZC3H12A, IRAK1, USP10, RIPK1, SQSTM1, RNF31, PPP1CC, HDLBP, PPFIA1, PSMB8, K Protein Size: 419
Molecular Weight:	48 kDa
Gene ID:	8517
NCBI Accession:	NM_003639, NP_003630
UniProt:	Q9Y6K9
Pathways:	NF-kappaB Signaling, RTK Signaling, TCR Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, M Phase, Production of Molecular Mediator of Immune Response, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, BCR Signaling, Ubiquitin Proteasome Pathway, S100 Proteins

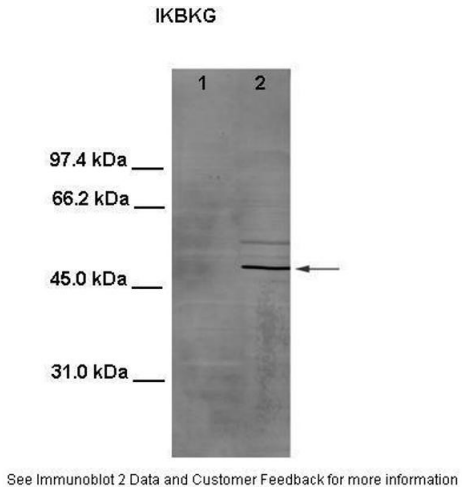
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 419 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

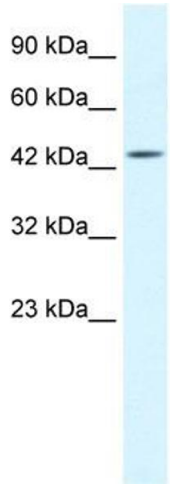
Images



See Immunoblot 2 Data and Customer Feedback for more information

Western Blotting

Image 1. Lanes: 1. 100 ug mouse testis lysate 2. 100 ug HeLa cell lysate Primary Antibody Dilution: 1:800 Secondary Antibody: Anti-rabbit-AP Secondary Antibody Dilution: 1:10000 Gene Name: IKBKG Submitted by: Andreia Carvalho, Instituto de Biologia Molecular e Celular, Universidade do Porto (IBMC-UP)/Organelle Biogenesis and Function (OBF) Group



Western Blotting

Image 2. WB Suggested Anti-IKBKG Antibody Titration: 1.25ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate IKBKG is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells