

Product Datasheet

RBCK1 Antibody - BSA Free

NBP1-88301

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

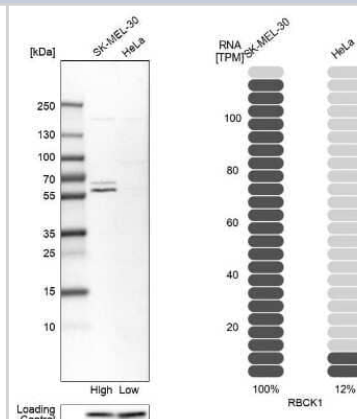
Host	Rabbit
Gene ID	10616
Gene Symbol	RBCK1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 30209176). Expected reactivity in Rat (88%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SVEDAQMHTVTIWLTVRPDMTVASLKDMVFLDYGFPPVLQQWVIGQRLARDQ ETLHSHGVRQNGDSAYLYLLSARNTSLNPQELQRERQLRMLLEDLGFKDLTLQP RGPLEPGPPKPGVPQEPGRGQPDVPEP

Product Application Details

Applications	Western Blot
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml

Images

Western Blot: RBCK1 Antibody [NBP1-88301] - Analysis in human cell lines SK-MEL-30 and HeLa using anti-RBCK1 antibody. Corresponding RBCK1 RNA-seq data are presented for the same cell lines. Loading control: anti-PFN1.



Publications

Kouki Hoshino, Seshiru Nakazawa, Takehiko Yokobori, Kei Hagiwara, Norihiro Ishii, Mariko Tsukagoshi, Takamichi Igarashi, Kenichiro Araki, Norifumi Harimoto, Fuminori Tokunaga, Ken Shirabe RNF31 promotes proliferation and invasion of hepatocellular carcinoma via nuclear factor kappaB activation Scientific Reports 2024-01-03 [PMID: 38172174]

RB Damgaard, PR Elliott, KN Swatek, ER Maher, P Stepensky, O Elpeleg, D Komander, Y Berkun OTULIN deficiency in ORAS causes cell type-specific LUBAC degradation, dysregulated TNF signalling and cell death EMBO Mol Med, 2019-03-01;11(3):. 2019-03-01 [PMID: 30804083]

Peng R, Wang CK, Wang-Kan X et al. Human ZBP1 induces cell death-independent inflammatory signaling via RIPK3 and RIPK1 EMBO reports 2022-10-21 [PMID: 36268590] (WB, Human)

Douglas T, Saleh M Cross-regulation between LUBAC and caspase-1 modulates cell death and inflammation J. Biol. Chem. 2020-03-02 [PMID: 32122970] (IP)

Yamanaka S, Sato Y, Oikawa D et al. Subquinocin, a small molecule inhibitor of CYLD and USP-family deubiquitinating enzymes, promotes NF-kappa B signaling Biochem. Biophys. Res. Commun. 2019-12-30 [PMID: 31898971]

MacDuff DA, Baldrige MT, Qaqish AM et al. HOIL1 is essential for the induction of type I and III interferons by MDA5 and regulates persistent murine norovirus infection. J. Virol. 2018-09-12 [PMID: 30209176] (WB, Mouse)

Polajnar M, Dietz MS, Heilemann M, Behrends C. Expanding the host cell ubiquitylation machinery targeting cytosolic Salmonella EMBO Rep. 2017-08-06 [PMID: 28784601] (Human)

Shibata Y, Tokunaga F, Goto E et al. HTLV-1 Tax Induces Formation of the Active Macromolecular IKK Complex by Generating Lys63- and Met1-Linked Hybrid Polyubiquitin Chains PLoS Pathog 2017-01-01 [PMID: 28103322] (IB, Human)

Nakazawa S, Oikawa D, Ishii R et al. Linear ubiquitination is involved in the pathogenesis of optineurin-associated amyotrophic lateral sclerosis. Nat Commun. 2016-08-24 [PMID: 27552911] (WB)

Klein T, Fung SY, Renner F et al. The paracaspase MALT1 cleaves HOIL1 reducing linear ubiquitination by LUBAC to dampen lymphocyte NF-kappa signalling. Nat Commun 2015-11-03 [PMID: 26525107] (WB, Human)

Lewis MJ, Vyse S, Shields AM et al. UBE2L3 Polymorphism Amplifies NF-kappa Activation and Promotes Plasma Cell Development, Linking Linear Ubiquitination to Multiple Autoimmune Diseases. Am J Hum Genet 2015-02-05 [PMID: 25640675] (WB, Human)

Kato K, Ishii R, Goto E et al. Structural and Functional Analyses of DNA-Sensing and Immune Activation by Human cGAS. PLoS One. 2013-10-07 [PMID: 24116191] (WB, Human)

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Products Related to NBP1-88301

NBP1-88301PEP	RBCK1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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