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KBTBD4 Rabbit pAb

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Catalog # AP94015

Product Information

Application	WB
Primary Accession	Q9NVX7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59904
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KBTBD4
Epitope Specificity	201-280/518
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 BACK (BTB/Kelch associated) domain.Contains 1 BTB (POZ) domain. Contains 5 Kelch repeats.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	BTB-kelch蛋白家族参与细胞多种功能,包括转录调节、细胞骨架形成、离子通道、蛋白泛素化、血管形成及细胞凋亡等细胞生理活动.

Additional Information

Gene ID	55709
Other Names	Kelch repeat and BTB domain-containing protein 4, BTB and kelch domain-containing protein 4, KBTBD4, BKLHD4
Dilution	WB=1:500-2000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KBTBD4
Synonyms	BKLHD4

Function

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex which targets CoREST corepressor complex components RCOR1, KDM1A/LSD1 and HDAC2 for proteasomal degradation (PubMed:33417871). RCOR1 is likely to be the primary target while degradation of KDM1A and HDAC2 is likely due to their association with RCOR1 (PubMed:33417871). Also targets RCOR3, MIER2 and MIER3 for proteasomal degradation as well as associated proteins ZNF217 and RREB1 (PubMed:36997086). Degradation is dependent on the presence of an ELM2 domain in the target proteins (PubMed:36997086).

Background

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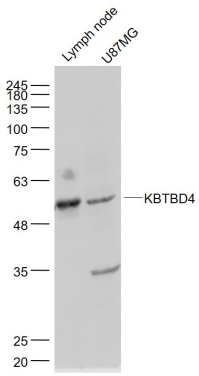
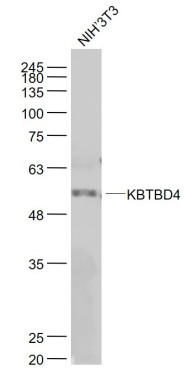
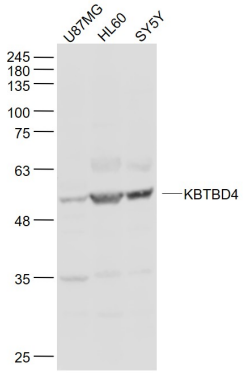
Images



Sample: Lymph node (Mouse) Lysate at 40 ug U87MG(Human) Cell Lysate at 30 ug Primary: Anti-KBTBD4 (AP94015) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kD Observed band size: 58 kD



Sample: NIH/3T3(Mouse) Cell Lysate at 30 ug Primary: Anti- KBTBD4 (AP94015) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kD Observed band size: 58 kD



Sample: U87MG(Human) Cell Lysate at 30 ug HL60(Human) Cell Lysate at 30 ug SY5Y(Human) Cell Lysate at 30 ug Primary: Anti- KBTBD4 (AP94015) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kD Observed band size: 58 kD