

# **KBTBD7 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18640c

## **Specification**

# **KBTBD7 Antibody (Center) - Product Information**

Application WB,E
Primary Accession Q8WVZ9

Other Accession <u>Q86V97</u>, <u>NP 115514.2</u>

Reactivity
Human
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region
Human
Rabbit
Rabbit
Polyclonal
Rabbit IgG
77163
428-455

## **KBTBD7 Antibody (Center) - Additional Information**

#### **Gene ID 84078**

#### **Other Names**

Kelch repeat and BTB domain-containing protein 7, KBTBD7

#### Target/Specificity

This KBTBD7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 428-455 amino acids from the Central region of human KBTBD7.

# **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### **Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

# **Precautions**

KBTBD7 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## **KBTBD7 Antibody (Center) - Protein Information**

# Name KBTBD7 (HGNC:25266)

Function As part of the CUL3(KBTBD6/7) E3 ubiquitin ligase complex functions as a substrate



adapter for the RAC1 guanine exchange factor (GEF) TIAM1, mediating its 'Lys-48' ubiquitination and proteasomal degradation (PubMed:25684205). By controlling this ubiquitination, regulates RAC1 signal transduction and downstream biological processes including the organization of the cytoskeleton, cell migration and cell proliferation (PubMed:25684205). Ubiquitination of TIAM1 requires the membrane-associated protein GABARAP which may restrict locally the activity of the complex (PubMed:25684205).

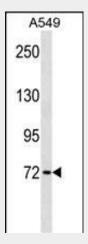
**Cellular Location** Cytoplasm. Nucleus

# **KBTBD7 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## **KBTBD7 Antibody (Center) - Images**



KBTBD7 Antibody (Center) (Cat. #AP18640c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the KBTBD7 antibody detected the KBTBD7 protein (arrow).

# KBTBD7 Antibody (Center) - Background

The function of this protein is unknown.

# **KBTBD7 Antibody (Center) - References**

Hu, J., et al. BMB Rep 43(1):17-22(2010) Stelzl, U., et al. Cell 122(6):957-968(2005)