

KBTBD2 Polyclonal antibody

Catalog Number: **13871-1-AP**

Basic Information

Catalog Number:

13871-1-AP

Size:

240 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4823

GenBank Accession Number:

BC047107

GeneID (NCBI):

25948

UNIPROT ID:

Q8IY47

Full Name:kelch repeat and BTB (POZ) domain
containing 2**Calculated MW:**

622 aa, 71 kDa

Observed MW:

60-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : COLO 320 cells, A549 cells

Background Information

Kelch repeat and BTB domain containing 2 (KBTBD2), also known as BTB and kelch domain-containing protein 1, encodes a BTB-Kelch family subunit that p85 α -specific recognition for the Cullin3-based E3 ubiquitin ligase complex, which regulates p85 α protein ubiquitination and subsequently regulates phosphoinositide-3 kinases (PI3K) signaling (PMID:27708159). However, the expression profile and functional significance of Kbtbd2 is still largely unknown. The Human Protein Atlas which is an online source shows high Kbtbd2 expression in the spleen and thymus, suggesting that Kbtbd2 might involved in immunization (PMID:29331106). In addition, Kbtbd2 is related to Src-induced phosphorylation of protein, spermatogonial stem cell activity (PMID:15623525, 29331106). A 60-70 kDa band has also been reported (PMID:27708159).

Storage

Storage:

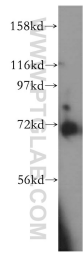
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

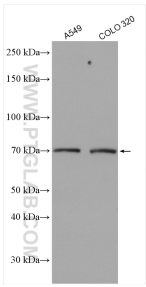
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



COLO 320 cells were subjected to SDS PAGE followed by western blot with 13871-1-AP (KBTBD2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 13871-1-AP (KBTBD2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.