
KLHL13 Rabbit pAb

Catalog Number: bs-7752R

Target Protein: KLHL13

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Zebrafish, Chicken, Dog, Horse)

Predicted MW: 74 kDa

Subcellular Cytoplasm

Locations:

Entrez Gene: 90293

Swiss Prot: Q9P2N7

Source: KLH conjugated synthetic peptide derived from human KLHL13: 351-450/655.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: KLHL13 (kelch like 13), also known as BKLHD2 (BTB and kelch domain containing protein 2), is a 604 amino acid protein that contains six Kelch repeats and one BTB/POZ domain. Expressed predominantly in brain, KLHL13 is believed to play a role in protein ubiquitination and may function as a substrate specific adapter of an E3 ubiquitin protein ligase complex. E3 ligases accept a ubiquitin residue from an E2 ubiquitin conjugating enzyme and immediately transfer that residue to a protein that is targeted for degradation. Specifically, KLHL13 interacts with KLHL9 and CUL3, a member of the cullin family of mediators that participate in the selective targeting of proteins for ubiquitin mediated proteolysis. Via its BTB and C terminal Kelch (BACK) motif, KLHL13 is thought to play a role in spatially orientating substrates in the CUL3 ligase.