

bs-7752R**[Primary Antibody]****KLHL13 Rabbit pAb**

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— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 90293**SWISS:** Q9P2N7**Target:** KLHL13**Immunogen:** KLH conjugated synthetic peptide derived from human KLHL13: 351-450/655.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**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.

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 Location: Cytoplasm