

## Product datasheet for **AM06473SU-N**

### **KLHL13 Mouse Monoclonal Antibody [Clone ID: 8D1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	8D1
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on paraffin sections</b> 1/200 - 1/1000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Flow cytometry:</b> 1/200 - 1/400. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human KLHL13 expressed in E. Coli.
Specificity:	This antibody reacts to KLHL13.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	74 kDa
Gene Name:	kelch like family member 13
Database Link:	<u><a href="#">Entrez Gene 90293 Human Q9P2N7</a></u>



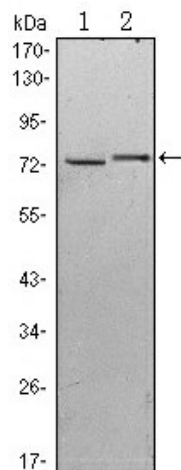
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**Background:**

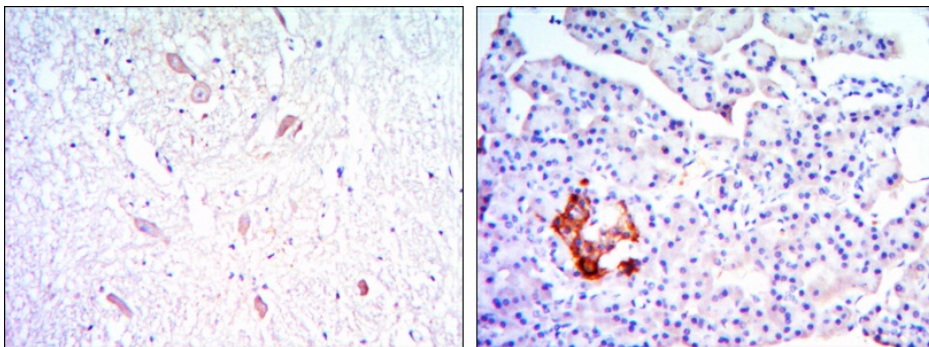
KLHL13 (kelch-like 13), also known as BKLHD2 (BTB and kelch domain-containing protein 2), is a 604 amino acid protein that contains six Kelch repeats and one BTB/POZ domain. Expressed predominantly in brain, KLHL13 is believed to play a role in protein ubiquitination and may function as a substrate- 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 CUL-3, 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 CUL-3 ligase.

**Synonyms:**

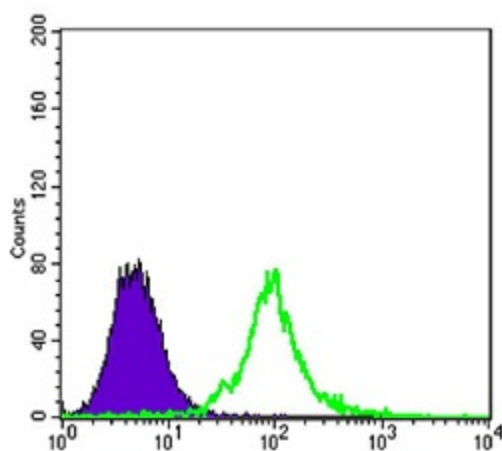
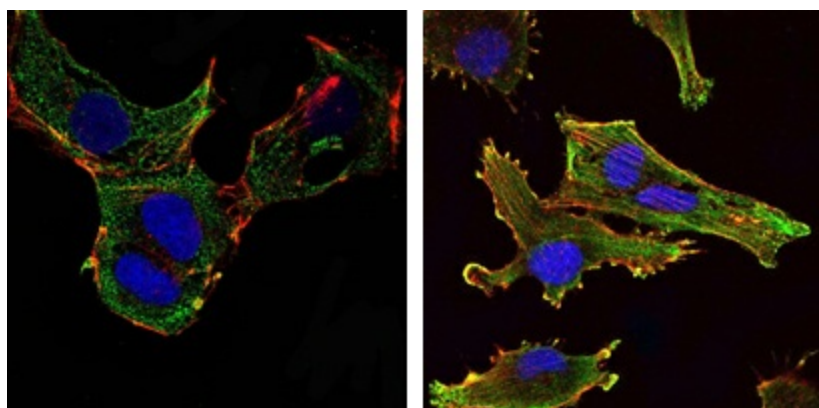
KLHL13, BKLHD2, KIAA1309, BTB and kelch domain-containing protein 2

**Product images:**


Western blot analysis using KLHL13 mouse mAb against HeLa (1) and MCF-7 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded brain tissues (left) and pancreas tissues (right) using KLHL13 mouse mAb with DAB staining.



Flow cytometric analysis of 3T3/L1 cells using KLHL13 mouse mAb (green) and negative control (purple).