

## Mouse Monoclonal Antibody to KLHL13

<b>Catalogue Number</b>	sAP-0420
<b>Target Molecule</b>	<b>Name: KLHL13</b> <b>Aliases:</b> BKLHD2; FLJ10262; MGC74791; KLHL13 <b>MW: 74kDa</b> <b>Entrez Gene ID: 90293</b>
<b>Description</b>	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.
<b>Immunogen</b>	Purified recombinant fragment of human KLHL13 expressed in E. Coli. ;
<b>Recitative Species</b>	Human
<b>Clone</b>	MM8D1;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. DNA Res. 2000 Feb 28;7(1):65-73. ; 2. Genome Res. 2004 Sep;14(9):1711-8. ; 3. Cell. 2009 Jul 23;138(2):389-403.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**