

## Product datasheet for **AM06471SU-N**

### **KLHL25 Mouse Monoclonal Antibody [Clone ID: 1B7]**

#### **Product data:**

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | 1B7   |
| Applications:           | ELISA, WB   |
| Recommended Dilution:   | <b>ELISA:</b> 1/10000.<br><b>Western Blot:</b> 1/500 - 1/2000.  |
| Reactivity:             | Human   |
| Host:                   | Mouse   |
| Isotype:                | IgG2b   |
| Clonality:              | Monoclonal  |
| Immunogen:              | Purified recombinant fragment of Human KLHL25 expressed in E. Coli  |
| Specificity:            | Recognizes KLHL25   |
| Formulation:            | State: Ascites<br>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.<br>Avoid repeated freezing and thawing. |
| Stability:              | Shelf life: one year from despatch.   |
| Predicted Protein Size: | 65 kDa  |
| Gene Name:              | kelch like family member 25   |
| Database Link:          | <a href="#">Entrez Gene 64410 Human</a><br><a href="#">Q9H0H3</a>   |



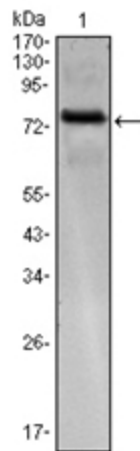
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**Background:**

KLHL25 (ectoderm-neural cortex protein 2, ENC2) is a cytoplasmic protein that contains six Kelch regions and a single BTB (POZ) domain. KLHL25 is highly homologous to another Kelch-like protein, ENC1, and it is believed to operate in a manner similar to other Kelch-domain containing proteins. Kelch-domain repeat containing proteins often act as modifiers of Actin fibers. Expressed early in embryogenesis, ENC1 helps to mediate neuronal process formation. It also appears to have a role in neural crest cell differentiation. KLHL25 likely functions as a substrate specific adapter for protein ubiquitinating complexes. KLHL25 is expressed in most tissues with highest expression in brain and liver.

**Synonyms:**

KLHL25, ENC2, Ectoderm-neural cortex protein 2, ENC-2

**Product images:**


Western blot analysis using KLHL25 antibody Cat.-No AM06471SU-N against KLHL25 (AA: 2-230)-hIgGfc transfected HEK293 cell.