

## Product datasheet

# Anti-Cullin 2 antibody ab53052

### 1 图像

#### 概述

产品名称	Anti-Cullin 2抗体
描述	兔多克隆抗体to Cullin 2
宿主	Rabbit
特异性	ab53052 detects endogenous levels of total Cullin 2 protein.
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Human 预测可用于: Mouse
免疫原	Synthetic peptide derived from human Cullin 2.
阳性对照	Extracts from LOVO cells.

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

Our [Abpromise guarantee](#) covers the use of **ab53052** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		1/5000.
WB		1/500 - 1/1000. Detects a band of approximately 87 kDa (predicted molecular weight: 87 kDa).

## 靶标

### 功能

Core component of multiple cullin-RING-based ECS (ElonginB/C-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination of target proteins. May serve as a rigid scaffold in the complex and may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1 (By similarity). The functional specificity of the ECS complex depends on the substrate recognition component. ECS(VHL) mediates the ubiquitination of hypoxia-inducible factor (HIF).

### 通路

Protein modification; protein ubiquitination.

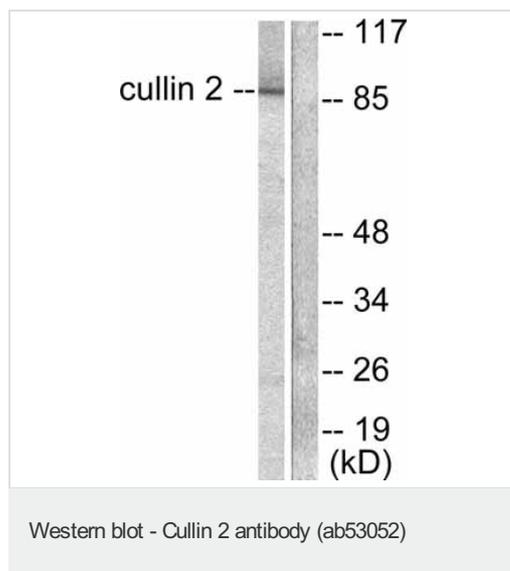
### 序列相似性

Belongs to the cullin family.

### 翻译后修饰

CBC(VHL) complex formation seems to promote neddylation. Deneddylated via its interaction with the COP9 signalosome (CSN) complex.

## 图片



**All lanes :** Anti-Cullin 2 antibody (ab53052) at 1/500 dilution

**Lane 1 :** extracts from LOVO cells, no immunising peptide.

**Lane 2 :** extracts from LOVO cells, immunising peptide present.

**Predicted band size:** 87 kDa

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