

**CUL2 (I726) polyclonal antibody**

Catalog: BCP00596

Host: Rabbit

Reactivity: Human,Mouse,Rat

**BackGround:**

Cullin proteins comprise a distinct family of mediators that participate in the selective targeting of proteins for ubiquitin (Ub)-mediated proteolysis. CUL-1, which is the mammalian homolog of Cdc53 from yeast, is an integral component of the E3 ubiquitin ligase complex designated SCF. The SCF(Skp1/CUL-1/F-box protein complex) consists of Skp1 associating with both CUL-1 and an F-box protein, such as Skp2, which determines the substrate specificity of the complex. CUL-1 mediated ubiquitination results in the degradation of cell cycle proteins cyclin D, p21 and cyclin E. Another cullin, CUL-3 facilitates the degradation of cyclin E independent of SCF activity, while CUL-2 associates with the tumor suppressing protein VHL and elongin B to form VBC complexes, which structurally resemble the SCF ligase. Proteolysis also occurs by way of CUL-4 associating with Nedd-8, a ubiquitin-like protein, where it too functions as an active component of a multifunctional E3 complex. CUL-5, or vasopressin-activated, calcium-mobilizing protein (VACM-1), is also included in the cullin family as it shares substantial sequence homology with CUL-1.

**Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

~ 82,84 kDa

**Swiss-Prot:**

Q13617

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB: 1:500~1:1000

IHC: 1:50~1:200

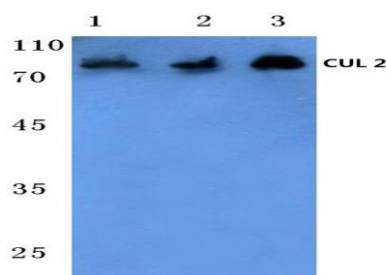
IF: 1:50~1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

Cullin 2 (I726) polyclonal antibody detects endogenous levels of Cullin 2 protein.

**DATA:**

Western blot (WB) analysis of CUL 2 (I726) pAb at 1:500 dilution

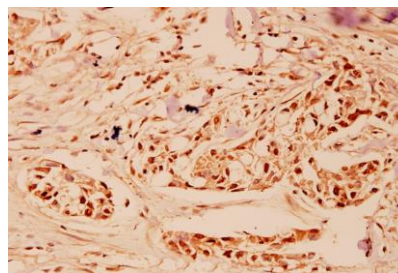
Lane1:SGC7901 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:The Kidney tissue lysate of Rat(40ug)

Lane4:The Kidney tissue lysate of Mouse(40ug)

Lane5:MCF-7 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of CUL-2 (I726) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

**Note:**

For research use only, not for use in diagnostic procedure.