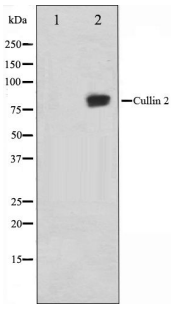
Cullin2 Antibody

#24197

Catalog Number: 24197-1, 24197-2
Amount: 50μg/50μl, 100μg/100μl
Swiss-Prot No. :Q13617
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20℃/1 year
Immunogen: The antiserum was produced against synthesized peptide derived from Human Cullin2
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity/Sensitivity: Cullin2 Antibody detects endogenous levels of total Cullin2
Reactivity: Human,Mouse
Applications:
Predicted MW: 82,84kd WB:1:500-2000 IHC:1:50-200 IF/ICC:1:100-500



Western blot analysis on LOVO cell lysate using Cullin 2 Antibody

Background :

CUL2 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. The functional specificity of the ECS complex depends on the substrate recognition component. ECS(VHL) mediates the ubiquitination of hypoxia-inducible factor (HIF).